



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date:

JUN 3 0 2004

Subject:

Review of Region 5 Data for US Steel Joliet Works (Joliet IL)

From:

Richard Baltrus, Chemist, Alion Science and Technology/ESAT

Contractor to Region 5 Central Regional Laboratory

Submitted to CRL on

6-29-04

To:

IEPA

Attached are the results for: US Steel Joliet Works (Joliet IL)

CRL data set number: E405003

Samples analyzed for: Mercury

Results are reported for sample designations: E405003-01 to E405007-03

JUL 0 6 2004 EDA-BOL-FSRE

	•
Sylica Briffin	JUN _/ 3 0 _/ 2004
Data Management Coordinator and Date Received	· · · · · · · · · · · · · · · · · · ·
Date Transmitted:/	
Please have the U.S. EPA Project Manager/Officer call the for any comments or questions.	he CRL Sample Coordinator at 3-7444
Please sign and date this form below and return it with an	ny comments to:
Sylvia Griffin	
Data Management Coordinator	
Region 5 Central Regional Labora	atory
ML-10C	·
Received by and Date	
Comments:	
Attached are the results for: US Steel Joliet Works (Jo	liet IL)
CRL data set number: E405003	

Samples analyzed for: Mercury

Results are reported for sample designations: E405003-01 to E405007-03

Parameter: Mercury Method: 245.2*DNS Analyst: Richard Baltrus

Date: June 17, 2004

Data Set: E405003 TDF: 5-22-019

Alion Job #: 246-0-1476-202-078-001

Task Order: 05-1-22

NARRATIVE

Three (3) soil samples from the US Steel Joliet Works site were collected on May 4, 2004. The samples were received on May 13, 2004. The temperature the samples were received was 17.2°C. The samples results are qualified "J" because the temperature at which the samples were received was too high. The samples were submitted to ESAT for TCLP extraction and mercury analysis. The sample point identifications are on the first page of the LIMS report following this narrative.

The soil samples were extracted on May 19, 2004. The TCLP extract was manually digested on June 9, 2004 as LIMS batch EF40703 with hydroxylamine solution added and analysis performed on June 10, 2004. All check standard concentrations were greater than upper limits; the samples were redigested on June 16, 2004 as LIMS batch EF41601 with hydroxylamine solution added and analysis performed on June 16, 2004. All digestion sample tubes were capped during the digestions. The matrix spike recovery was less than the lower limit and the second inorganic QC check standard of the run was less than the lower limit; all sample results are qualified "L" due to the low bias. All samples were analyzed within the 28 day holding time limit.

Raw data for this analysis can be found in the data package for E405007. Logbook entries for this analysis can be found in Alion logbook C31846 pages 23-24 and C31854 pages 1-4.

6.29.04 000005



536 South Clark Street, Suite 734; Chicago, IL 60605 Telephone (312) 353-8302 Facsimile (312) 353-8307

Superfund, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604 Project: US Steel, Joliet Works

Project Number: [none]

Project Manager: Howard Pham

Reported:

Jun-21-04 15.43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2004IE06 S01 X103	E405003-01	Soil	May-04-04 10:30	May-13-04 13:34
2004IE06 S02 X120	E405003-02	Soil	May-04-04 13:50	May-13-04 13:34
2004IE06 S03 X104	E405003-03	Soil	May-04-04 11:50	May-13-04 13:34

6-21-04

900006

Stephen Connet, Chemist

Report Name: E405003

Page 1 of 3



536 South Clark Street, Suite 734; Chicago, IL 60605 Telephone (312) 353-8302 Facsimile (312) 353-8307

Superfund, US EPA Region 5

77 West Jackson Boulevard

Project: US Steel, Joliet Works
Project Number: [none]

Reported:

Chicago IL, 60604

Project Manager: Howard Pham

Jun-21-04 15:43

Mercury by Cold Vapor AA, TCLP Extract

Alion - ESAT Contract

2004IE06 S01 X103 (E405003-01RE1) Soil Sampled: May-04-04 10:30 Received: May-13-04 13:34

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared Analyzed	
Mercury	U	J, L	0.1	0.5	ug/L	1	EF41601	Jun-16-04 Jun-16-04	

2004IE06 S02 X120 (E405003-02RE1) Soil Sampled: May-04-04 13:50 Received: May-13-04 13:34

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared Analyzed	
Mercury	U	J, L	0.1	0.5	ug/L	1	EF41601	Jun-16-04 Jun-16-04	

2004IE06 S03 X104 (E405003-03RE1) Soil Sampled: May-04-04 11:50 Received: May-13-04 13:34

		Flags /							
Analyte	Result	Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared Analyzed	
Mercury	U	J, L	0.1	0.5	ug/L	1	EF41601	Jun-16-04 Jun-16-04	

6-21-04

000007

Stephen Connet, Chemist

Report Name: E405003

Page 2 of 3



536 South Clark Street, Suite 734; Chicago, IL 60605 Telephone (312) 353-8302 Facsimile (312) 353-8307

Superfund, US EPA Region 5

Project: US Steel, Joliet Works

77 West Jackson Boulevard

Project Number: [none]

Reported:

Chicago IL, 60604

Project Manager: Howard Pham

Jun-21-04 15:43

Notes and Definitions

J The identification of the analyte is acceptable; the reported value is an estimate.

L The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater

than the reported value.

U Not Detected

NR Not Reported

£ 6-71-04

Stephen Connet, Chemist

000008

Report Name: E405003

Page 3 of 3



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date:

JUL 0 1 2004

Subject:

Review of Region 5 Data for US Steel Joliet Works (Joliet, IL)

From:

Marjorie Mattox, Chemist, ESAT/ALION

Contractor to Region 5 Central Regional Laboratory

Submitted to EPA: Masjone of matter 6-30-04

TO: BOB CASPER - IEPA

Attached are the results for: US Steel Joliet Works (Joliet, IL)

CRL data set number: E405003

Samples analyzed for: ICP RCRA METALS; Ag, As, Ba, Cd, Cr, Pb, Se

(TCLP Extract)

Results are reported for sample designations: E405003-01 to -03

HECEIVED
JUL 0 6 2004
JEPA - BOL - FSRE

JUL 0 1 2004

Data Management Coordinator and Date Received

Date Transmitted: The state of the state of

Please have the U.S. EPA Project Manager/Officer call the CRL Sample Coordinator at 3-7444 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML-10C

Received by and Date

Comments:

Attached are the results for: US Steel Joliet Works (Joliet, IL)

CRL data set number: E405003

Samples analyzed for: ICP RCRA METALS; Ag, As, Ba, Cd, Cr, Pb, Se

(TCLP Extract)

Results are reported for sample designations: E405003-01 to -03

000006

Parameter: ICP RCRA Metals

Method: CRL Metals 003 & Metals 025

Analyst: M. Mattox /n - Mattap

Date: June 29, 2004 6-29-04

Work Orders: E405003

TDF: 5-22-019

Task Order: 05-1-22

JOB: 246-0-1476-202-078-001

ICP NARRATIVE

This narrative covers the analysis of 3 TCLP extracts from the US Steel Joliet Works site. Three soil samples were submitted to ESAT for TCLP extraction and ICP RCRA metals analysis. The samples were collected on May 4, 2004. The samples were received on May 13, 2004.

For a more detailed listing of sample ID, laboratory ID, field station ID, and sampling dates, refer to the Work Order pages and/or the initial LIMS report pages where such listings can be found.

Routine CRL SOP Metals 025 (water) was used to prepare TCLP extracts for ICP analysis. The TCLP extraction procedure was conducted on May 19 and 20, 2004 following CRL SOP GEN019 (Method 1311). All samples were extracted using Extraction Fluid #1. The TCLP extracts were digested at a 10X dilution on May 24, 2004 as LIMS batch EE42404 with LIMS batch EE42402. This batch was analyzed with batch EE42402 using the Optima 4300 on May 26, 2004. CRL SOP Metals 003 protocols were used during these analyses. All samples were analyzed within the holding time limit.

ICP RUN RESULTS

On April 20, 2004 a digestion batch of two MDL solutions was digested. The two solutions with two different concentration sets were prepared using the Optima 3300 RL solution of December 31, 2003. These solutions were analyzed using the Optima 4300 on April 22, 2004. Further work is needed to meet some requirements for 'he MDL's and RL's. MDL's and RL's used for the reporting of these results are interim. Also, problems were encountered with K which required ESAT to default to the EPA MDL and RL for these analytes. All interim MDL's and RL's will be updated as soon as the opportunity arises.

Due to the development of new MDL's and time constraints for the reporting of final results three different reporting limit solutions were used. Each solution is used for different analytes. A listing of analytes used for each solution can be found in the QC summary section of this report.

29 to 31 analyte lines out of a possible 78 lines available using the Optima 4300 DV method were chosen by a plan agreed upon by Dr. J. V. Morris. These are to be used for routine reporting of analyte values that appear in the QA summary reports.

Analysis E405001 - Optima 4300 DV

The following analytes will be addressed, all other analytes will not be discussed in this case narrative:

Ag, As, Ba, Cd, Cr, Pb, Se

CRL limits were used for the evaluation of the data due to ESAT just beginning use of the Optima 4300. ESAT limits will be established as data is collected. All instrument and preparation blank data are being recorded but the limits for blanks will always be the MDL.

The following lists the case <u>pertinent</u> out-of-control QC audit check results based on default QA / QC (traditional) limits:

Instrument QC:

05/26/04 analysis:

Blanks: (Blank values are rounded)

	Instr. Blk 1:	Ag328 Ba455	-2.89 -0.79	ug/l "
		Cd226	0.75	66
		Cr267	-5.26	
	Instr. Blk 2:	Ag328	-2.09	
		Ba455	-0.53	•
		Cd226	0.84	66
		Cr267	-4.47	· · · ·
	Instr. Blk 3:	Ag328	-3.28	"
	1	Cd226	0.86	"
		Cr267	-3.24	"
	Instr. Blk 4:	Ag328	-3.21	•
		Cd226	0.80	
		Cr267	-5.04	
		Pb220	4.07	44
Matrix QC:				
Preparation Blank:	EE42404-BLK1	Ag328	-3.18	ug/L
•		Cd226	0.86	44
		Cr267	-4.63	
		Pb220	-3.09	"
TCLP Extraction	EE42404-BLK2	Ag328	-2.91	" (Raw Instrument
Fluid #1		Ba455	3.53	" results, prepared at
		Cd226	0.61	" a 10X dilution)
		Cr267	-3.51	
Matrix Duplicates:	EE42404-DUP1	Ba455	*, 30.1	% RPD
۵		Se196	<5X	
		and the second s		67, Pb220 <5X (difference)

<5X was used to point out that the duplicate difference was used for QC evaluation purposes, the RPD was not always listed on the LIMS report.

The LIMS report listed <5X for EE42410-DUP1 Ag, and EE42410-DUP3 Ag, to indicate that the duplicate difference was used for evaluation purposes. The duplicate difference was greater than the MDL. However, since both the sample result and the duplicate result were below the MDL, the results are considered acceptable.

M. Matter 6-29-04

Sample analyte qualifications:

The ICP sample results reported are acceptable except as noted in the following paragraphs.

For Ag, LCM2 QA check audits were used for control purposes rather than LCM1 check audits since the level of Ag in the LCM1 solutions exceed the upper linear limit for Ag.

For Ba, the duplicate %RPD, EE42404-DUP1, showed a result which was out of control. Therefore all sample results for TCLP's, E405003-01 to -03, are flagged "*" due to possible poor precision. Also for Ba, the extraction blank, EE42404-BLK2 showed a result which was greater than the MDL indicating possible contamination and instrument blanks #1 and #2 showed negative results whose absolute value was greater than the MDL. Qualification is not made on the basis of the extraction blank since the TCLP extracts are subject to RCRA limits and the value found in the extraction blank is very low compared to the RCRA limits. Per Dr. John Morris the extraction blank would have to show quantities close to these limits be used for evaluation purposes. Therefore samples E405003-01, -03 are flagged "L" due to the low bias observed in the instrument blanks. Also a linearity check was analyzed at 30 mg/L to validate the blank spike and matrix spike values since they are above the calibration range. The linearity check showed good correlation.

For Cd, the sample results for E405003-01, -03 are flagged "J" since the values were between the MDL and RL. Also for Cd, all instrument blanks, and the preparation blanks EE42404-BLK1 and -BLK2, showed results above the MDL indicating contamination. Sample results E405003-01 to -03, are flagged "K" due to possible contamination.

For Cr, all instrument blanks and the preparation blanks EE42404-BLK1 and -BLK2, showed negative results whose absolute values were greater than the MDL. A positive result affected by these blanks was E405003-02, and is flagged "L" due to the low bias. Also for Cr, the sample result for E405003-03 is flagged "L" due to a negative sample result whose absolute value was greater than the RL.

For Pb, the sample result for E405003-01 is flagged "J" since the value was between the MDL and RL. Also for Pb, instrument blank #4 showed a result that was above the MDL indicating possible contamination and the preparation blank EE42401-BLK1 showed a negative result whose absolute value was greater than the MDL. One sample was affected by the positive blank and negative blank. Therefore a sample affected by both blanks, E405003-01, shows an unknown bias and is flagged "J".

For Se, the sample result for E405003-02 is flagged "J" since the value was between the MDL and RL.

All flagged results are considered estimated. All sample results are usable.

Other comments

It has been observed that some LIMS report RPD calculations do not match all of our in house RPD calculations due to the number of significant figures used in the calculations.

No field QC was present for this work order.

M. mattop 6-29-04



536 South Clark Street, Suite 734; Chicago, IL 60605 Telephone (312) 353-8302 Facsimile (312) 353-8307

Superfund, US EPA Region 5

77 West Jackson Boulevard

Chicago IL, 60604

Project: US Steel, Joliet Works

Project Number: [none]

Project Manager: Howard Pham

Reported:

Jun-30-04 16:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled Date Received
2004IE06 S01 X103	E405003-01	Soil	May-04-04 10:30 May-13-04 13:34
2004IE06 S02 X120	E405003-02	Soil	May-04-04 13:50 May-13-04 13:34
2004IE06 S03 X104	E405003-03	Soil	May-04-04 11:50 May-13-04 13:34

Margie Mattox, Chemist

6-30-04

Report Name: E405003

Page 1 of 3





536 South Clark Street, Suite 734; Chicago, IL 60605 Telephone (312) 353-8302 Facsimile (312) 353-8307

Superfund, US EPA Region 5 77 West Jackson Boulevard

Chicago IL, 60604

Project: US Steel, Joliet Works

Project Number: [none]

Reported:

Project Manager: Howard Pham

Jun-30-04 16:21

Metals by ICP, TCLP Extract Alion - ESAT Confract

2004IE06 S01 X103 (E405003-01) Soil Sampled: May-04-04 10:30 Received: May-13-04 13:34

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Arsenic	U		60.0	500	ug/L	1	EE42404	May-24-0	May-26-04
Barium	43.6	L, *	5.0	20.0	n	11	н	lt .	ù
Cadmium	7.7	J, K	4.0	10.0	11	11	"	**	н
Chromium	U		20.0	40.0	n	н	н	п	ti.
Lead	101	J	30.0	200	11	0	н	**	н-
Selenium	U		40.0	400	н	H	11	n	n
Silver	\mathbf{U}		10.0	40.0	н	u	11	0	tt .

2004IE06 S02 X120 (E405003-02) Soil Sampled: May-04-04 13:50 Received: May-13-04 13:34

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Arsenic	U		60.0	500	ug/L	1	EE42404	May-24-0	May-26-04
Barium	618	*	5.0	20.0	**	Ħ	**	11	n.
dmium	26.9	K	4.0	10.0	**	0	. "	n	II
Chromium	41.9	L	20.0	40.0	н	H	11	ri ri	"
Lead	16900		30.0	200	n	i.	11	"	Ħ
Selenium	98.2	J	40.0	400	11	11	11	n	Ħ
Silver	U		10.0	40.0	н	, "	п	ŧſ	"

2004IE06 S03 X104 (E405003-03) Soil Sampled: May-04-04 11:50 Received: May-13-04 13:34

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Arsenic	U		60.0	500	ug/L	1	EE42404	May-24-0	May-26-04
Barium	42.3	L, *	5.0	20.0	11		н	11	11
Cadmium	8.9	J, K	4.0	10.0	11	11	*1	10	**
Chromium	U	L	20.0	40.0	11	н	11	n	н
Lead	U		30.0	200	. н .	н	11	н	*1
Selenium	U		40.0	400		. "	п	п	11
Silver	U		10.0	40.0	u	**	н	n	**

Margie Mattox, Chemist

6-30-04

Report Name: E405003

Page 2 of 3





536 South Clark Street, Suite 734; Chicago, IL 60605 Telephone (312) 353-8302 Facsimile (312) 353-8307

Superfund, US EPA Region 5 77 West Jackson Boulevard

Chicago IL, 60604

Project: US Steel, Joliet Works

Project Number: [none]

Ioward Phom

Project Manager: Howard Pham

Reported:Jun-30-04 16:21

Notes and Definitions

* The duplicate analysis precision is not within control limits. The reported value is estimated.

< 5X One or both concentration values for the duplicate analysis audit were less than 5 times the MDL value AND the difference between the two values was less than the MDL value. The duplicate audit is acceptable. No qualification made for this QC audit.</p>

J The identification of the analyte is acceptable; the reported value is an estimate.

K The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.

The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.

U Not Detected

L

NR Not Reported

M. Matta 6-30-04

Margie Mattox Chemist

Report Name: E405003

Page 3 of 3

DATE:	July 16, 20	004									
	P.O. Box	h Grand Avenue East 19276 1, IL 62794-9276									
Attn:	Bob Caspe	Bob Casper									
SITE NAME:	US Steel C	Corp. Joliet Works									
CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX							
32934	Ceimic	13	ME0098	Water							
		fin, Data Management Coordin	_	in the stanks sets w.							
	ta is complete,	, and note if there are any delive	erables missing f	rom the cases noted							
				-							
Received by Data M Date:	•	Coordinator, CRL for file.									
Signature:		The state of									
FROM: US FPA	,		21253	•							

Sent By:

Region V

Eva M. Dixon, Sr. Data Specialist

ESAT

Central Regional Laboratory 536 S. Clark, 10th Floor Chicago, IL 60605

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

DATE:	7/15/04
SUBJECT:	Review of Data Received for review on6/16/04
FROM:	Stephen L. Ostrodka, Chief (SMF-4J) Superfund Field Services Section
TO:	Data User: <u>IEPA</u>
We have rev	iewed the data by CADRE for the following case:
SITE NAME	E: US Steel Corp. Joliet Works (IL)
CASE NUM	BER: 32934 SDG NUMBER: ME0098
Number and	Type of Samples: 13 water
Sample Num	bers: <u>ME0098-99, ME00A1-2, 4-7, B6-7, 9, C0, 3</u>
Laboratory:	Ceimic Hrs. for Review: (2
Following ar	e our findings:

CC: Howard Pham Region 5 TOPO Mail Code: SRT-4J Case: 32934

Site: US Steel Corp. Joliet Works

SDG: ME0098

Laboratory: Ceimic

Page 3 of 7

1. HOLDING TIME:

No defects were found.

2. CALIBRATIONS:

No defects were found for the calibration or the CRQL standard.

3. BLANKS:

The following inorganic samples are associated with an ICB/CCB concentration which is greater than the instrument detection limit (IDL) but less than or equal to the CRQL. The sample result is greater than the MDL but less than or equal to the CRQL.

Hits are qualified "U". The sample result is raised to the CRQL.

Aluminum

ME0098, ME00A2, ME00A4, ME00A5, ME00B7, ME00B9

Cobalt

ME00A6

Selenium

ME0098, ME0099, ME00A4, ME00A5, ME00B6, ME00B7, ME00C0

The following inorganic samples are associated with a negative ICB/CCB concentration whose absolute value is greater than the instrument detection limit (IDL). The sample result is also greater than the MDL but less than or equal to the CRQL.

Hits are qualified "U". The sample result is raised to the CRQL.

Cobalt

ME00A6

Potassium

ME00B9, ME00C0

Zinc

ME0098, ME0099, ME00A1, ME00A6, ME00B6, ME00B7

The following inorganic samples are associated with an ICB/CCB concentration which is greater than the instrument detection limit (IDL). Five times the blank concentration is

Reviewed by: Stephen Connet Date: July 15, 2004

Case: 32934 SDG: ME0098 Page 5 of 7

Site: US Steel Corp. Joliet Works Laboratory: Ceimic

detects are qualified "UJ". Hits greater than 10 times the ICSA are not qualified.

Antimony

ME00A1, ME00A2, ME00A4, ME00A5, ME00A6, ME00B6, ME00B7

Arsenic

ME00A1, ME00A2, ME00A4, ME00A5, ME00A6, ME00B6, ME00B7

Beryllium

ME00A1, ME00A2, ME00A4, ME00A5, ME00A6, ME00B6, ME00B7

Cobalt

ME00A1, ME00A2, ME00A4, ME00A5, ME00A6, ME00B6, ME00B7

Thallium

ME00A1, ME00A2, ME00A4, ME00A5, ME00A6, ME00B6, ME00B7

The following inorganic samples have one or more interferent present at concentrations more than true amounts added in the ICSA solution.

Hits less than 10 times the value of the ICSA are qualified "J+"; non-detects are not qualified.

Manganese

ME00A1, ME00A2, ME00A4, ME00A5, ME00B6, ME00B7

The following inorganic samples are associated with sample results whose replicate exposure RSD was excessive (>20%).

Hits are qualified "J".

Arsenic

ME00A6

7. GFAA ANALYSIS:

No GFAA analyses were performed for this case.

8. SAMPLE RESULTS:

The following inorganic samples have analyte concentrations reported above the method detection limit (MDL) but below the quantitation limit (CRQL).

Reviewed by: Stephen Connet Date: July 15, 2004

Case: 32934

Site: US Steel Corp. Joliet Works

SDG: ME0098

Laboratory: Ceimic

Page 7 of 7

CADRE ILM05.3 Data Qualifier Sheet

<u>Qualifiers</u>	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
UJ	The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Reviewed by: Stephen Connet Date: July 15, 2004

Analytical Results (Qualified Data)

Case #: 32934

SDG: ME0098

Site:

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC

S. CONNET

Date:

07/15/04

Sample Number :	ME00A5		ME00A6		ME00A7		ME00B6		ME00B7	
Sampling Location :	GF110A		G112		GF112		GF108		G108	
Matrix :	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/24/2004		5/24/2004		5/24/2004		5/25/2004		5/25/2004	
Time Sampled :	15:55		18:35		18:35		10:05		10:05	
%Solids :	0.0		0.0		0.0		0.0		0.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	200	U	673		200	U	200	U	200	C
ANTIMONY	60.0	IJ	60.0	UJ	60.0	U	60.0	ับม	60.0	เกา
ARSENIC	10.0	UJ	12.6	J+/-	10.0	U	10.0	UJ	10.0	UJ
BARIUM	31.5	J	85.2	J	78.0	J	15.0	J.	15.3	J
BERYLLIUM	5.0	IJ	0.20	J-	5.0	U	5.0	UJ	5.0	UJ
CADMIUM	5.0	U	1.8	J.	5.0	U	5.0	U	5.0	U
CALCIUM	102000		97500		94500		118000		119000	
CHROMIUM	1.3	J	27.5	44.1.1.1.1.1	2.6	J	10.0	u .	0.88	J
COBALT	50.0	UJ	50.0	UJ	50.0	U	50.0	UJ	50.0	UJ
COPPER	3.5	J	28.7		1.6	J	1.6	J	25.0	U 📜
IRON	112		78900		36600		79.5	J	241	
LEAD	10.0	υ	16.1	J+	10.0	U	10.0	ָט 😲	10.0	U .
MAGNESIUM	272000		23100		21000		114000		117000	
MANGANESE	15.2	J+	3850		2040		44.7	J+ +	51.6	J+
MERCURY	0.20	υ	0.05	J	0.20	U	0.20	U	0.20	U
NICKEL	40.0	υ	13.5	J	40.0	U	40.0	U	40.0	υ
POTASSIUM	14700		6020		5740		9910		9550	
SELENIUM	35.0	U	35.0	U	35.0	U	35.0	Ú	35.0	U
SILVER	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
SODIUM	22300		7730		7670		6330		6530	
THALLIUM	25.0	υJ	25.0	UJ	25.0	U	25.0	UJ	25.0	UJ
VANADIUM	50.0	U	107		50.0	U	50.0	U	50.0	u /
ZINC	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U
CYANIDE			10.0	U	200 May 200 - 100 May 200 May	-7.2			10.0	ับ

SDG Narrative

Laboratory Name: Ceimic Corporation

Case No.: 32934 SDG No.: ME0098 Contract: 68W02063

Ceimic Project No.: 040482, 040483

The following ILM05.3 (ICP-AES) thirteen ground water samples were received at CEIMIC Corporation on May 26, 2004:

EPA ID	Ceimic ID
ME0098	040482-01
ME0098D	040482-01D
ME0098S	040482-01S
ME0099	040483-01
ME00A1	040482-02
ME00A2	040482-03
ME00A4	040483-02
ME00A5	040483-03
ME00A6	040482-04
ME00A7	040483-04
ME00B6	040483-05
ME00B7	040482-05
ME00B9	040483-06
ME00C0	040482-06
ME00C3	040482-07

Comments on Data Package

The samples in this SDG for Case 32934 associated with Ceimic Project Number 040482 were received for Total Metals analysis by ICP-AES, Total Mercury analysis by CVAA, and Total Cyanide analysis by automated spectrophotometry. The samples associated with Ceimic Project Number 040483 were received for Dissolved Metals analysis by ICP-AES and Dissolved Mercury analysis by CVAA. The above samples were digested and analyzed in accordance with the Inorganic Statement of Work (SOW) ILM05.3. Samples for Dissolved target analyte analyses were field-filtered and field-preserved.

When ICP-AES and CVAA raw data have been reprocessed in an SDG, the words "Reprocessed on" followed by the date and time of reprocessing will sometimes be printed in the header of each standard and sample raw data report. The word "Reprocessed" is used when the original sequence data is regenerated after it was collected and processed with incorrect information (such as sample information, standard nomenclature) or settings (such as background correction, internal standard, dilultion factor, QC concentration, wrong IEC table, etc.)

QC EXCEPTION SUMMARY REPORT

CASE\SAS#: 32934	SITE: US STEEL CORP JOLIET WORKS	MATRIX: WATER	WATER SAMPLE SPK: MEOO98
DATA SET: NEOOG8	LAB: CEIMIC	conc: Lew	WATER SAMPLE DUP:
LAB QC #	REVIEWED BY: 4. CONNET		SOIL SAMPLE SPK:
DATE: 7-15-04			SOIL SAMPLE DUP:

FORM #		FORM 1	FORM 1	FORM 3	FORM 3	FORM 3	FORM 4	FORM 5	FORM 6	FORM 7	FORM 7	FORM 9	FORM 9	FORM 6	FORM 5	FIELD	FIELD	FIELD	PIELD		
ELEMENT	HOLD	INITIAL, CALID	CONTI N CALIB	CALIB BLANK	PREP Water Blank	PREP BOUL BLANK	103# 168	SOIL SPIKE K R	9OIL DUP RPD	LCS AQ	LCS SOIL	SERIAL DILUTION AQUEOUS	SERIAL DILUTION SOIL	AQ DUP RPD	AQ BPIKE HR	BLANK	DUP RPD	BLANK	DUP RPD	GFAA DUP	GFAA ANALTT SPIKE
ALUMINUM				45.43																	
ANTIMONT							-10.5														
ARSENIC				3.55			- (3.71														
BARIUM								: .													
BERYLLUM							-0.229	}													
САВМІЛМ															· · · · · · · · · · · · · · · · · · ·						
CALCIUM																	<u> </u>				
сихомили											ļ.,										
COBALT				0.42/-0	46		-1.137														
COPPER																		<u> </u>			
IRON			·		- 7-												<u> </u>		ļ		
LEAD							10.12														
MAGNESIUM																	 				
MANGANESE		·					71209	0	ļ	ļ								ļ	ļ		
MERCURY																	ļ				
NEKEL										ļ						ļ	ļ	ļ	<u> </u>		
MURRATOR				-51.63											ļ		ļ	ļ			
SELENIUM				4.91			41.76											<u> </u>		<u> </u>	
an,vea									ļ			 	<u> </u>					ļ	ļ		<u> </u>
воопли																ļ <u></u>	<u> </u>		<u> </u>	<u> </u>	J
THALLRIM							-25,6	8												<u> </u>	
TIN									ļ								<u> </u>				
VANADRIM							-3,45										<u> </u>				
TINC.				-1.39																	
CTANDE										j ·							1]		1	1

12: SPK OF 4



USEPA Contract Laboratory Program Inorganic Traffic Report & Chain of Custody R. 3rd

1	Case No:	32934	1	
	DAS No:			1
	SDG No:MEO	298/	ME0099	L

						0.15		· (000 12	1110011
Date Shipped:	5/25/2004		Chain of Custo	ly Record	Sampler Signature:	nhell	For La	b Use Only	
Carrier Name:	UPS		Relinquished By	(Date / Time)	Received By	(Date / Time)	Lab Con	tract No:	68W02063
Airbill:	1z6215892210024	811	17/1/1/1	5/25/04/1730	C1:mootes	Astura 10:00			A15
Shipped to:	Ceimic Corporation		THE) 15 JUY 112	Cuzacea I	10:00	Unit Prid	:e:	<u> </u>
± 1	10 Dean Knauss D Narragansett RI 02		2				Transfer	То:	A
	(401) 782-8900	-002	3		05/26/04		Lab Con	tract No:	226/04
			4				Unit Pric	e:	109
INORGANIC SAMPLE No		CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLL DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME00B9	Ground Water/	L/G	DM (21)	5-277639 (HNO3) (1)	GF111	S: 5/25/2004	12:25	$\overline{}$	٥.

	INORGANIC SAMPLE No.	MATRIX/ Sampler	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLI DATE/TIM		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
-	ME00B9	Ground Water/ Paul Mason	L/G	DM (21)	5-277639 (HNO3) (1)	GF111	S: 5/25/2004	12:25		EA.
	ME00C0	Ground Water/ Paul Mason	L/G	HCI (21), ICP/MS (21)	5-277640 (HNO3), 5-277645 (NaOH) (2)	G111	S: 5/25/2004	12:25	E00C0	05/26/0U
	ME00C3	Ground Water/ Paul Mason	L/G	HCI (21), ICP/MS (21)	5-277649 (HNO3), 5-277654 (NaOH) (2)	FB	S: 5/25/2004	15:30	E00C3	99

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: EA 05126/by	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number: 20013 - 20011
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab =	G	Custody Seal Intact? <u>V</u> Shipment Iced? <u>V</u>
DM = CLP TAL Diss	olved Metals, HCI = Hg,CN,ICP Metals, ICP/MS = CLI	P TAL Total Metals ICP/MS		

F2V5.1. 043 Page 2 of 2

COVER PAGE

JUN 16 2004

	CEIMIC	Case No:	32934	NRAS No.:		SDG No: ME	0098
	ILM05.3			NAAD NO	 		
<u> </u>					-1- TD		
		EPA Sample No	•	Lab Sam	bre in		
	1	ME0098		040482	-01		
	Ì	ME0098D		040482			
	-	ME0098S		040482		· ·	
	-	ME0099		040483			
		ME00A1		040482-			
	-	ME00A2		040482		.	
	_	Æ00A4		040483-			
	-	Æ00A5		040483-			
	_	Æ00A6		040482-			
	_	4E00A7		040483-	* * * * * * * * * * * * * * * * * * * *		
	_	Æ00B6		040483-			
	_	4E00B7		040482-			
	-	Æ00B9		040483-			
	_	4E00C0 4E00C3		040482- 040482-			•
				•.			
						ICP-AES	ICP-MS
	and IC	'-MS interelem	ment corrections		(Yes/No)	ICP-AES YES	ICP-MS
oplied? ere ICP-AES			ment corrections		(Yes/No) (Yes/No)		
plied? re ICP-AES plied? If yes,	and ICI		nd corrections		·	YES	NO
plied? re ICP-AES plied? If yes, applicat	and ICI	P-MS backgroun w data genera	nd corrections		(Yes/No)	YES YES	NO
plied? re ICP-AES plied? If yes, applicat	and ICI	P-MS backgroun w data genera	nd corrections		(Yes/No)	YES YES	NO NO
re ICP-AES plied? If yes, applicat	and ICI	P-MS backgroun w data genera	nd corrections		(Yes/No)	YES YES	NO NO
oplied? ere ICP-AES oplied? If yes,	and ICI	P-MS backgroun w data genera	nd corrections		(Yes/No)	YES YES	NO NO

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEC	n	۵	۵

ab Name:	Ceimic Co	orporation		Contract:	68-W-02-063			
Lab Code:	CEIMIC	Case No.:	32934	NRAS No.:		SDG NO.:	ME0098	
Matrix (so:	il/water):	WATER		Lab Sample ID:	040483-01			

Date Received:

% Solids: 0.0

Level (low/med):

Concentration Units (ug/L or mg/kg dry weight):

LOW

UG/L

05/26/2004

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	200	ט		P
7440-36-0	Antimony	60.0	Ū		P
7440-38-2	Arsenic	10.0	Ū		P
7440-39-3	Barium	11.0	J		P
7440-41-7	Beryllium	5.0	ט		P
7440-43-9	Cadmium	5.0	Ū		P
7440-70-2	Calcium	88200			P
7440-47-3	Chromium	10.0	ש		P
7440-48-4	Cobalt	50.0	ט		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	35.1	J		P
7439-92-1	Lead	10.0	Ū		P
7439-95-4	Magnesium	79600			P
7439-96-5	Manganese	3.9	J		P
7439-97-6	Mercury	0.20	υ		CV
7440-02-0	Nickel	40.0	Ū	·	P
7440-09-7	Potassium	19200			P
7782-49-2	Selenium	35.00 25.6	J-	w7-15-04	P
7440-22-4	Silver	10.0	ט		P
7440-23-5	Sodium	28600			P
7440-28-0	Thallium	25.0	Ū		P
7440-62-2	Vanadium	50.0	Ü		P
7440-66-6	Zinc	68.0U 18.5	J	w7-15-04	P

color Before:	colorless	Clarity Before:	clear	Texture:	n/a
color After:	yellow	Clarity After:	clear	Artifacts:	n/a
nents:					
-					
				· · · · · · · · · · · · · · · · · · ·	

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME	0	0 A	.2

M P

P

₽

P

P

P

P

₽

P

P

P

P

P

P

CV

P

P

Ρ

P

₽

₽

P

P

AS

Lab Name: Ceimic	Corporation	Contract:	68-W-02-063		
Lab Code: CEIMIC	Case No.: 32934	NRAS No.:		SDG NO.:	ME0098
Matrix (soil/water)	WATER	Lab Sample ID:	040482-03		
Level (low/med):	LOW	Date Received:	05/26/2004		
% Solids: 0	0.0				

Concentration Units (ug/L or mg/kg dry weight): UG/L Concentration CAS No. Analyte С Q 7429-90-5 Aluminum 2000 87.8 ₹-6-7-15-04 7440-36-0 U 60.0 Antimony 7440-38-2 Arsenic 10.0 τ 7440-39-3 Barium 29.1 J 5.0 7440-41-7 Beryllium U σ 7440-43-9 5.0 Cadmium 7440-70-2 Calcium 96100 7440-47-3 Chromium υ 10.0 7440-48-4 Cobalt 50.0 Ω 3.6 7440-50-8 Copper J 7439-89-6 Iron 189 7439-92-1 Lead 10.0 υ 7439-95-4 255000 Magnesium 7439-96-5 20.8 Manganese 7439-97-6 Mercury 0.20 υ 7440-02-0 Nickel 40.0 U 7440-09-7 Potassium 13700 Selenium 7782-49-2 42.0

7440-22-4

7440-23-5

7440-28-0

7440-62-2

7440-66-6

57-12-5

Silver

Sodium

Thallium

Vanadium

Cyanide

Zinc

Color Before:	colorless	Clarity Before:	clear	Texture:	n/a	
Color After:	yellow	Clarity After:	clear	Artifacts:	n/a	
Comments:					•	· · · · · · · · · · · · · · · · · · ·
						<u></u>

Ū

σ

υ

υ

Π

10.0

25.0

50.0

60.0

10.0

20400

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME 0 0 A 5

Lab Name:	Ceimic Co	orporation		Contract:	68-W-02-063		
Lab Code:	CEIMIC	Case No.:	32934	NRAS No.:		SDG NO.:	ME0098
Matrix (soi	l/water):	WATER	· ·	Lab Sample ID:	040483-03		
Level (low/	med):	LOW		Date Received:	05/26/2004	<u> </u>	
% Solids:	0.0						

Concentration Units (ug/L or mg/kg dry weight): UG/L Concentration C CAS No. Analyte М P 200 72.0 7429-90-5 Aluminum w7-15-07 ₹-P 60.0 U 7440-36-0 Antimony P 7440-38-2 Arsenic 10.0 U 31.5 ₽ 7440-39-3 Barium J 5.0 Ω P 7440-41-7 Beryllium 7440-43-9 Cadmium 5.0 σ P P 102000 7440-70-2 Calcium P Chromium 1.3 J 7440-47-3 Cobalt 50.0 U P 7440-48-4 ₽ 7440-50-8 Copper 3.5 J P 7439-89-6 112 Iron 7439-92-1 Lead 10.0 P U Ρ Magnesium 272000 7439-95-4 P 7439-96-5 15.2 Manganese 7439-97-6 CV Mercury 0.20 U 7440-02-0 Nickel 40.0 σ Ρ P 7440-09-7 Potassium 14700 7782-49-2 P Selenium 35,01 32.1 ᢖ᠆ 1-7-15-04 7440-22-4 Silver 10.0 U P 7440-23-5 P Sodium 22300 Ρ 7440-28-0 Thallium 25.0 υ 7440-62-2 Vanadium 50.0 U P P 7440-66-6 Zinc 60.0 υ

Color Before:	colorless	Clarity Before:	clear	Texture:	n/a	
Color After:	yellow	Clarity After:	clear	Artifacts:	n/a	_
ments:		•				
_						_
_	·					
						_

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00A7

Lab Name: Ceimic Cor		rporation		Contract:	68-W-02-063		
Lab Code:	CEIMIC	Case No.:	32934	NRAS No.:	***************************************	SDG NO.:	ME0098
Matrix (soi	l/water):	WATER	<u>.</u> .	Lab Sample ID:	040483-04		
Level (low/	med):	LOW		Date Received:	05/26/2004		
% Solids:	0.	0					

UG/L

Concentration Units (ug/L or mg/kg dry weight):

C Concentration CAS No. Analyte Q М Ρ 7429-90-5 Aluminum 200 U P 60.0 Ω 7440-36-0 Antimony Ρ 7440-38-2 Arsenic 10.0 U P 7440-39-3 Barium 78.0 J P 7440-41-7 Beryllium 5.0 U P 7440-43-9 Cadmium 5.0 U P 7440-70-2 Calcium 94500 P 7440-47-3 Chromium 2.6 J Ρ 7440-48-4 Cobalt 50.0 υ 1.6 7440-50-8 Copper J P P 7439-89-6 Iron 36600 P 7439-92-1 10.0 Lead U P 7439-95-4 Magnesium 21000 7439-96-5 Manganese 2040 Ρ CV 7439-97-6 Mercury 0.20 U 7440-02-0 Nickel 40.0 U P 7440-09-7 Potassium 5740 P 7782-49-2 P Selenium 35.0 Π P 7440-22-4 Silver 10.0 U 7440-23-5 Sodium 7670 P 7440-28-0 25.0 P Thallium U 7440-62-2 Vanadium 50.0 υ P 7440-66-6 Zinc 60.0 σ Ρ

Color Before:	colorless	Clarity Before:	clear	Texture:	n/a	
Color After:	yellow	Clarity After:	clear	Artifacts:	n/a	
Comments:						ŧ
-						

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: Ceimic Co	orporation	Contract:	68-W-02-063		
Lab Code: CEIMIC	Case No.: 32934	NRAS No.:		SDG NO.:	ME0098
Matrix (soil/water):	WATER	Lab Sample ID:	040482-05		
Level (low/med):	FOM	Date Received:	05/26/2004		•
% Solids: 0.0	0				

UG/L

Concentration Units (ug/L or mg/kg dry weight): C CAS No. Analyte Concentration Q М 7429-90-5 2000 P Aluminum -97.4 J (27-15-64 ₽ 60.0 7440-36-0 Antimony P 7440-38-2 Arsenic 10.0 σ P 15.3 7440-39-3 Barium J 7440-41-7 Beryllium 5.0 U Ρ P 7440-43-9 Cadmium 5.0 σ Ρ 7440-70-2 Calcium 119000 ₽ 7440-47-3 Chromium 0.88 J 7440-48-4 Cobalt 50.0 υ ₽ P 7440-50-8 Copper 25.0 U P 7439-89-6 Iron 241 P 7439-92-1 Lead 10.0 σ P 7439-95-4 Magnesium 117000 P 7439-96-5 51.6 Manganese 7439-97-6 Mercury 0.20 υ CV 7440-02-0 Nickel 40.0 σ Ρ 7440-09-7 9550 ₽ Potassium 35.00 27.7 7782-49-2 Selenium J-Ρ W7-15-04 P 7440-22-4 Silver 10.0 Π 7440-23-5 Sodium P 6530 7440-28-0 Thallium 25.0 U P 7440-62-2 Vanadium 50.0 υ P Ρ 7440-66-6 Zinc -37.3J 60.0V 6-7-15-04 57-12-5 Cyanide 10.0 υ AS

Color Before:	colorless	Clarity Before:	clear	Texture:	n/a
Color After:	yellow	Clarity After:	clear	Artifacts:	n/a
nents:					•
- · · · -					

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00C0	\Box

Lab Name:	Ceimic Co	rporation		Contract:	68-W-02-063			
Lab Code:	CEIMIC	Case No.:	32934	NRAS No.:		SDG NO.:	ME0098	
Matrix (so:	il/water):	WATER		Lab Sample ID:	040482-06	· .		

Level (low/med): LOW Date Received: 05/26/2004

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	970			P
7440-36-0	Antimony	60.0	Ū		P
7440-38-2	Arsenic	10.0	Ū		P
7440-39-3	Barium	134	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	Ū		P
7440-70-2	Calcium	99400			P
7440-47-3	Chromium	3.2	J		P
7440-48-4	Cobalt	50.0	Ū		P
7440-50-8	Copper	3.5	J		P
7439-89-6	Iron	6580			·P
7439-92-1	Lead	10.0	ט		P
7439-95-4	Magnesium	46400			P
7439-96-5	Manganese	612			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.7	J		P
7440-09-7	Potassium	5000 V 4180	J	49-15-04	P
7782-49-2	Selenium	35.00 -6.5	ਰ	127-15-04	P
7440-22-4	Silver	10.0	ט		P
7440-23-5	Sodium	62000			P
7440-28-0	Thallium	25.0	Ū		P
7440-62-2	Vanadium	3.0	J		P
7440-66-6	Zinc	60.0	υ		P
57-12-5	Cyanide	10.0	υ	·	AS

Color Before:	colorless	Clarity Before:	clear	Texture:	n/a	
Color After:	yellow	Clarity After:	clear	Artifacts:	n/a	
	•					
Comments:						

3-IN **BLANKS**

Lab Name:

Ceimic Corporation

Contract: <u>68-W-02-063</u>

Lab Code:

CEIMIC

Case No.: 32934

NRAS No.:

SDG NO.: ME0098

Preparation Blank Matrix (soil/water):

WATER

Preparation Blank Concentration Units (ug/L or mg/kg):

UG/L

	Initial Calibratio Blank(ug/L			C		Preparation Blank					
Analyte	45.4313	C	7-44-09	С	2	C	3	С		С	М
Aluminum	20045.431	J	200.000 کس	Ū	200.000	U.	200.000	Ū	200.000	U	P
Antimony	4,501	J	60.000	υ	60.000	U	60.000	ט	60.000	υ	P
Arsenic	10,000	ם	10.000	Ū	10.000	ט	10.000	υ	10.000	Ū	P
Barium	200.000	ם	200.000	Ū	200.000	บ	200.000	ט	200.000	σ	P
Beryllium	5.000	ט	5.000	υ	5.000	υ	5.000	ט	5.000	υ	P
Cadmium	5.000	ט	5.000	Ū	5.000	ט	5.000	σ	5.000	ט	P
Calcium	5000.000	ΰ	5000.000	Ū	5000.000	ט	5000.000	ט	139.163	J	P
Chromium	10.000	Ū	10.000	υ	10.000	บ	10.000	ט	10.000	σ	P
Cobalt	0.418	J	50.000	υ	50.000	ט	50.000	ט	50.000	υ	P
Copper	25.000	Ū	25.000	Ū	25.000	ט	25.000	ט	25.000	υ	P
n	100.000	Ū	100.000	Ū	100.000	U	100.000	υ	100.000	Ū	P
Lead	10.000	Ū	10.000	Ū	1.899	J	10.000	ט	10.000	υ	P
Magnesium	5000.000	Ū	5000.000	Ū	5000.000	υ	5000.000	ט	5000.000	Ū	P
Manganese	15.000	ΰ	15.000	Ū	15.000	Ū	15.000	ט	15.000	U	P
Mercury	0.200	Ū	0.200	U	0.200	U	0.200	ט	0.200	ΰ	CV
Nickel	40.000	Ū	40.000	Ū	40.000	Ū	40.000	Ü	40.000	υ	P
Potassium	5000.000	υ	5000.000	Ū	5000.000	Ū	-51.626	J	5000.000	Ū	P
Selenium	4.893	J	35.000	Ū	35.000	ΰ	2.811	J	35.000	υ	P
Silver	10.000	ט	10.000	υ	10.000	Ū	10.000	Ū	10.000	σ	P
Sodium	5000.000	Ū	5000.000	Ū	5000.000	Ū	5000.000	Ū	117.389	J	P
Thallium	25.000	Ū	25.000	Ū	25.000	υ	25.000	υ	5.906	J	P
Vanadium	50.000	Ū	50.000	Ū	50.000	Ū	50.000	Ū	50.000	υ	P
Zinc	-1.246	J	-1.392	J	-1.145	J	60.000	Ū	60.000	υ	P
Cyanide	-2.515	J	-2.908	J	-2.908	J	-2.908	J	-1.786	J	AS

3-IN **BLANKS**

Lab Name: Ceimic Corporation Contract:

68-W-02-063

Lab Code:

CEIMIC

Case No.: 32934

NRAS No.:

SDG NO.: ME0098

Preparation Blank Matrix (soil/water):

WATER

Preparation Blank Concentration Units (ug/L or mg/kg):

UG/L

	Initial Calibration Blank(ug/I			C	Preparatio Blank	n					
Analyte		С	1	C	2	С	3	С		С	М
Aluminum	-31.390	J	-36.120	J	200.000	Ū	200.000	Ū	200.000	Ŭ	P
Antimony	60.000	ט	60.000	Ū	60.000	Ū	4.728	J	60.000	ט	P
Arsenic	-2.923	J	1.953	J	10.000	ט	10.000	ט	10.000	Ū	P
Barium	200.000	ט	200.000	υ	200.000	ט	200.000	ם	200.000	Ū	P
Beryllium	5.000	Ū	5.000	Ū	5.000	ט	5.000	ט	5.000	ט	P
Cadmium	5.000	Ū	5.000	υ	5.000	ט	5.000	ט	5.000	Ū	P
Calcium	5000.000	ט	5000.000	υ	5000.000	Ū	5000.000	ט	187.920	J	P
Chromium	10.000	Ū	10.000	ΰ	10.000	Ū	10.000	Ū	10.000	Ū	P
Cobalt	50.000	Ū	50.000	U	50.000	Ū	-0.516	J	50.000	Ū	P
Copper	25.000	ט	25.000	ΰ	25.000	Ū	25.000	ט	25.000	Ū	P
Iron	100.000	ט	100.000	Ū	100.000	ט	100.000	ט	100.000	ט	P
Lead	10.000	ט	10.000	ΰ	1.836	J	10.000	Ü	10.000	υ	P
Magnesium	5000.000	ט	5000.000	υ	5000.000	ט	5000.000	Ū	5000.000	Ū	P
Manganese	15.000	ט	15.000	Ū	15.000	ט	15.000	υ	2.688	J	P
Nickel	40.000	Ū	40.000	Ū	40.000	Ū	40.000	υ	40.000	Ū	P
Potassium	5000.000	ט	5000.000	υ	5000.000	Ū	5000.000	ט	5000.000	υ	P
Selenium	2.766	J	3.712	J	6.745	J	2.742	J	35.000	Ū	P
Silver	10.000	Ū	10.000	U	10.000	ט	10.000	U	10.000	ט	P
Sodium	5000.000	Ū	5000.000	υ	5000.000	ט	61,406	J	105.018	J	P
Thallium	25.000	ם	25.000	Ū	-5.230	J	25.000	υ	25.000	σ	P
Vanadium	50.000	Ū	50.000	υ	50.000	υ .	50.000	ט	50.000	υ	P
Zinc	60.000	ם	60.000	υ	60.000	ט	18.260	J	60.000	ט	P

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Ceimic Corporation ___

Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.:

SDG NO.: ME0098

ICP-AES Instrument ID: PE Optima ICP

ICS Source: PARTA(0503)/B(0203)

Concentration Units: ug/L

	Tı	rue		Initial	Found		1	Final F	ound	
Analyte	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R '	Sol.A	%R	Sol.AB	%R
Aluminum	244000	248000				T	261000	107	260000	105
Antimony	0.0	585.0					-10.5		549	94
Arsenic	0.0	97.0				İ	-10.7		79.6	82
Barium	2.0	475.0					2.5	125	515	108
Beryllium	0.0	48.2.0			'		-0.22		502	104
Cadmium	0.0	916.0					2.1		967	106
Calcium	234000	234000					253000	108	252000	108
Chromium	36.0	506.0					30.9	86	519	103
Cobalt	3.0	455.0					1.9	63	490	108
C /er	15.0	537.0			i		15.8	105	554	103
Iron	94900	95100					101000	106	101000	106
Lead	5.0	51.0					15.1	302	62.6	123
Magnesium	249000	254000					251000	101	249000	98
Manganese	19.0	483.0					25.0	132	545	113
Nickel	10.0	930.0					11.5	115	995	107
Potassium	0	0					-177		-197	
Selenium	0.0	51.0					38.8		79.7	156
Silver	0.0	210.0	******				1.2		213	101
Sodium	0	0				l	675		630	
Thallium	0.0	96.0			<u>. </u>	İ	-12.3		76.0	79
Vanadium	1.0	481.0		Ì	ĺ		-1.0	-100	514	107
Zinc	39.0	975.0		1			37.7	97	937	96

USEPA - CLP 5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0098S

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: SDG NO.: ME0098

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C.	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	1985.1830		52.7955	J	2000.00	97		F
Antimony	75 - 125	98.6066		60.0000	Ū	100.00	99		F
Arsenic	75 - 125	33.1989		10.0000	Ū	40.00	83		F
Barium	75 - 125	1926.6700		10.7283	J	2000.00	96		F
Beryllium	75 - 125	46.5413		5.0000	Ū	50.00	93		F
Cadmium	75 - 125	51.3160		5.0000	Ū	50.00	103		F
Calcium		88367.9500		84007.9400		0.00	0		N
Chromium	75 - 125	188.8780		1.1464	J	200.00	94		P
Cobalt	75 - 125	479.1998		50.0000	Ū	500.00	96		P
Copper	75 - 125	237.1205		25.0000	Ū	250.00	95		Ţ,
Iron	75 - 125	1018.8500		88.1992	J	1000.00	93		P
Lead	75 - 125	20.1610		10.0000	Ū	20.00	101		P
Magnesium		75680.9600		76792.0500		0.00	0		NI
Manganese	75 - 125	479.2662		4.1366	J	500.00	95		P
Mercury	75 - 125	1.0159		0.2000	ט	1.00	102		C.
Nickel	75 - 125	473.2108		40.0000	ט	500.00	95		P
Potassium		18087.2100		18496.7200		0.00	0		NI
Selenium	75 - 125	63.1334		25.1441	J	50.00	76		P
Silver	75 - 125	45.8992	-	10.0000	ט	50.00	92		P
Sodium		29023.4200		27062.1300		0.00	0		NI
Thallium	75 - 125	47.7470		25.0000	υ	50.00	95		P
Vanadium	75 - 125	476.8038		50.0000	ט	500.00	95		P
Zinc	75 - 125	497.1327	1	18.6458	J	500.00	96		P
Cyanide	75 - 125	142.7755		35.2130		100.00	108		A:

Commen	ts:						
-		 	 		 	 	
_			 	 		 	

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

 La ame:
 Ceimic Corporation
 Contract: 68-W-02-063

 Lab Code:
 CEIMIC
 Case No.: 32934
 NRAS No.: SDG NO.: ME0098

 Instrument Type:
 P
 Instrument ID: PE Optima ICP
 Date: 01/14/2004

 Preparation Method:
 NP1

 Concentration Units (ug/L or mg/kg):
 UG/L

,		,	· · · · · · · · · · · · · · · · · · ·
Analyte	Wave-Length /Mass	CRQL	MDL
Aluminum	308.22	200	29.6
Antimony	206.83	60	4.5
Arsenic	188.98	10	1.6
Barium	233.53	200	0.82
Beryllium	313.11	5	0.18
Cadmium	226.50	5	0.16
Calcium	315.89	5000	27.3
Chromium	267.72	10	1.8
Cobalt	228.62	50	0.38
Copper	324.75	25	1.7
Iron	273.96	100	14.6
Lead	220.35	10	1.8
Magnesium	279.08	5000	39.0
Manganese	257.61	15	0.29
Nickel	231.60	40	0.93
Potassium	766.49	5000	47.3
Selenium	196.03	35	2.5
Silver	338.29	10	0.79
Sodium	589.59	5000	25.1
Thallium	190.80	25	3.1
Vanadium	290.88	50	1.5
Zinc	206.20	60	0.51

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

 Lab Name:
 Ceimic Corporation
 Contract:
 68-W-02-063

 Lab Code:
 CEIMIC
 Case No.:
 32934
 NRAS No.:
 SDG NO.:
 ME0098

 Instrument Type:
 CV
 Instrument ID:
 FIMS CVAA
 Date:
 01/12/2004

 Preparation Method:
 CW1

 Concentration Units (ug/L or mg/kg):
 UG/L

Analyte	Wave-Length /Mass	CRQL	MDL
Mercury	253.70	0.2	0.021

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

 Lab Code:
 CEIMIC
 Case No.:
 32934
 NRAS No.:
 SDG NO.:
 ME0098

 Instrument Type:
 AS
 Instrument ID:
 Cyanide
 Date:
 01/13/2004

 Preparation Method:
 DW2

 Concentration Units (ug/L or mg/kg):
 UG/L

Analyte	Wave-Length /Mass	CRQL	MDL
Cyanide	580.00	10	0.83

13-IN

ANALYSIS RUN LOG

Analysis Method: P

Lab Name:	Ceimic Corporation	Contract:	68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: SDG No.: ME0098

Start Date: 06/08/2004 End Date: 06/08/2004

Instrument ID: PE Optima ICP

art Date: 00/08/2004											_															
EPA													Ana	ly	tes	3										
Sample NO.	D/F	Time	A	ſ	A	В	ſ		•		T .	•	F		M		H		ĸ		A	N		٧	1	C
			L	В	S	A	Ε	D	A	R	0	U	E	В	G	N	G	I		E	G	A	L		N	N
ME00A5	1.0	1846	X	х	Х	X	Х	X	х	x	X	x	X	Х	X	Х		X	Х	х	x	$ \mathbf{x} $	Х	Х	X	L
ME00A7	1.0	1853	X	х	Х	Х	X	Х	X	x	X	x	X	X	X	Х		X	Х	x	х	$ \mathbf{x} $	X	Х	x	
ME00B6	1.0	1859	X	Х	х	х	Х	х	x	х	X	X	X	X	X	X		X	X	x	x	$ \mathbf{x} $	X	X	X	<u>L</u>
ME00B9	1.0	1906	X	х	х	Х	Х	x	x	X	х	х	Х	X	X	X		X	X	Х	X.	x	X	X	X	
22222	1.0	1912																								
ZZZZZZ	1.0	1919																								
ZZZZZZ	1.0	1926																								
ZZZZZZ	5.0	1932									Γ											\Box				
CCV	1.0	1939	Х	х	x	x	Х	х	х	х	Х	x	Х	Х	Х	x		Х	х	Х	х	x	х	х	X	Г
ССВ	1.0	1946	Х	х	х	x	Х	Х	х	x	х	Х	Х	х	х	х		Х	х	Х	х	$ \mathbf{x} $	Х	Х	х	
ZZZZZZ	1.0	1953																				\sqcap				
ZZZZZZ	1.0	1959																			\Box					Γ
ZZZZZZ	1.0	2006				\Box																П				Γ
ZZZZZZ	1.0	2013				П															\Box	П				Γ
ZZZZZZ	1.0	2019																			\Box	П				
ZZZZZZ	1.0	2026								,	Γ		•				•					\Box				
ZZZZZZ	1.0	2033																				\sqcap		\Box		Γ
CRI	1.0	2039	X	х	х	x	Х	х	х	х	х	Х	Х	X	X	x		Х	X	х	х	x	Х	х	x	Γ
ICSA	1.0	2046	х	х	х	х	х	x	х	х	х	х	х	х	х	x		х	х	х	х	х	х	х	x	
ICSAB	1.0	2053	x	Х	х	х	х	х	х	х	Х	х	х	х	х	х		х	х	X	х	х	х	х	х	
ccv	1.0	2100	x	х	х	х	Х	х	х	х	х	x	Х	х	х	х		Х	х	Х	х	х	х	х	х	
ССВ	1.0	2106	х	х	х	х	Х	Х	х	х	х	х	х	х	х	х		Х	х	X	х	x	х	х	х	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: <u>MEDO 98</u>	CERCLIS No: 1Lb 005454566
Case No: 32934	Site Name/Location: US STEEL CORP. Joliet Works
Contractor of EPA Lab: CEIMIC	Data User: LEPA
No. of Samples:	Date Sampled or Date Received: 6-16-04
Have Chain-of-Custody records been received? Have traffic reports or packing lists been received. If no, are traffic report or packing list numbers was No If no, which traffic report or packing list numbers.	written on the Chain-of-Custody Record?
Are basic data forms in? Yes No No of samples claimed:	•
Received by: Cua H. Dixon &	BAT Date: 6-16-04
Received by LSSS: Eug H. Dixon	Date: 6-16-04
Review started: 7-14-04	Reviewer Signature:
Total time spent on review: (2	Date review completed: 7-15-4
Copied by:	Date:
Mailed to user by:	Date:
DATA USER: Please fill in the blanks below and return this for Sylvia Griffin, Data Mgmt. Coordinator	
Data received by:	Date:
Data review received by:	Date:
Inorganic Data Complete Organic Data Complete Dioxin data Complete SAS Data Complete	[] Suitable for Intended Purpose [] \(\sigma \) if OK [] Suitable for Intended Purpose [] \(\sigma \) if OK [] Suitable for Intended Purpose [] \(\sigma \) if OK [] Suitable for Intended Purpose [] \(\sigma \) if OK
PROBLEMS: Please indicate reasons why data	·
Received by Data Mamt. Coordinator for Files.	Dare:

DATE:	July 6, 2004			ĭ
	P.O. Box 19	Grand Avenue East 276 IL 62794-9276		
Attn:	Bob Casper			
SITE NAME:	US Steel Co	rp. Joliet Works		
CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32839	Chemtech	8	ME0043	Water
below.	ta, please check e	each package for completenes	s and note any	
below. Send this form back	ta, please check e k to Sylvia Griffin		s and note any	
below. Send this form back	ta, please check e k to Sylvia Griffin	each package for completenes	s and note any	
below. Send this form back Data Received by: PROBLEMS:	ta, please check e	each package for completenes , Data Management Coordina Date: nd note if there are any deliver	s and note any	in the blanks bel
below. Send this form back Data Received by: PROBLEMS: Please indicate if da	ta, please check e	each package for completenes , Data Management Coordina Date:	s and note any	in the blanks bel
below. Send this form back Data Received by: PROBLEMS: Please indicate if da above.	ta, please check e t to Sylvia Griffin ata is complete, a	each package for completeness, Data Management Coordina Date: Indicate there are any deliver	s and note any	in the blanks bel

FROM: U.S. EPA

RECEIVED

Region V

JUL 1 2 2004

Central Regional Laboratory 536 S. Clark, 10th Floor

EPA-BOL-FSREVED

Chicago, IL 60605

IEPA-BOL-PSRE

Sent By:

Eva M. Dixon, Sr. Data Specialist

ESAT

JUL 0 6 2004

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

DATE:	July	6, 2004					
SUBJECT:	Review o	f Data for Review on _	May 2	8, 2004			
FROM:	-	L. Ostrodka, Chi d Field Services		J)			
TO:	Data Use	r:	IEPA		· .		
		he data for this	s case. W	e have also	reviewed	the	CADRE
SITE NAME	: <u> </u>	US Steel Corp.	Joliet Wo	rks		 .	
CASE NUMB	ER:	32839	SI	DG NUMBER:	ME0043		
Number and	d Type of	Samples:	8 -	waters		· 	
Sample Nu	mbers:	ME0043,45,51,53	3,56,58,77	,80			
Laborator	у:	Chemtech	Hrs.	for Review:	8		
Following	are our	findings:		N.			

CC: Howard Pham Region 5 TPO Mail Code: SRT-4J

Page 3 of 7

SDG Number: ME0043 Laboratory: Chemtech

Case Number: 32839 Site Name: US Steel Corp.

1. AOLDING TIME:

No defects were found.

2. CALIBRATIONS:

No defects were found for the calibration or the CRQL standard.

3. BLANKS:

The following inorganic samples are associated with an ICB/CCB concentration which is greater than the MDL but less than or equal to the CRQL. The detected sample result is also less than or equal to the CRQL. Hits are qualified "U". The sample result is raised to the CRQL.

Aluminum ME0058, ME0080

Antimony ME0080

Arsenic ME0043

Barium

ME0043, ME0045, ME0051, ME0053, ME0056, ME0077, ME0080

Beryllium

ME0043, ME0045, ME0051, ME0053, ME0056

Cadmium

ME0043

Calcium

ME0058

Chromium

ME0045, ME0056, ME0077, ME0080

Cobalt

ME0043, ME0045, ME0051, ME0053, ME0056, ME0080

Iron

ME0058, ME0080

Lead

ME0045

Reviewed	By:		Ĵ.	Ganz	
Date	- ح	Tully	6	2004	

Page 5 of 7

SDG Number: ME0043 Laboratory: Chemtech

Case Number: 32839 Site Name: US Steel Corp.

Chromium

ME0045, ME0056, ME0077, ME0080

Cobalt

ME0043, ME0045, ME0051, ME0053, ME0056, ME0080

Copper

ME0045, ME0058, ME0077, ME0080

Iron

ME0058, ME0080

Magnesium ME0058

Mercury

ME0043, ME0051, ME0053

Vanadium

ME0043, ME0045, ME0051, ME0053, ME0056, ME0058

Zinc

ME0058, ME0080

The following inorganic samples are associated with an ICB/CCB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. The detected sample result is greater than the CRQL. Hits are qualified "J-".

Arsenic ME0056

Mercury ME0056

4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

DC-4 The following inorganic samples are associated with a matrix spike recovery outside the primary high criterion. The post-digest spike sample was either not required or it was required but not analyzed. Hits are qualified "J+".

Mercury ME0056

No defects were found for the laboratory control sample.

Reviewed By	J. Ganz	
Date:	July 6, 2004	

Page 7 of 7 SDG Number: ME0043 Laboratory: Chemtech

Case Number : 32839 Site Name: US Steel Corp.

All data, except those qualified above, are acceptable.

Reviewed By: J. Ganz
Date: July 6, 2004

Analytical Results (Qualified Data)

Case #: 32839

SDG: ME0043

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer:

Site:

J. GANZ

CHEM

Number of Soil Samples: 0 Number of Water Samples: 8

Date:

JULY 6, 2004

Sample Number :	ME0043		ME0045		ME0051	**	ME0053		ME0056	
Sampling Location :	G103		G104		G102		G105		G101	
Matrix:	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004	:	5/3/2004		5/3/2004		5/3/2004		5/3/2004	
Time Sampled :	12:30		13:15		15:00		15:00		16:00	
%Solids :	0.0		0.0		0.0		0.0		0.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	2920	J	1960	J	5030	J	3740	J	2420	IJ
ANTIMONY	60.0	U	60.0	U	60.0	u	60.0	u	60.0	บ
ARSENIC	10.0	U	10.0	Ų	43.7		35.0		15.0	J+J-
BARIUM	200	U.	200	U	200	U	200	U	200	U
BERYLLIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CADMIUM	5.0	IJ	5,0	UJ	5.0	UJ.	5.0	υJ	5.0	UJ
CALCIUM	893000		646000		470000		343000		343000	
CHROMIUM	15.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.0	U	14.2		. 10.7	1.00	10,0	U _
COBALT	50.0	U	50.0	U	50.0	U	50.0	Ü	50.0	U
COPPER	30.3	87.	25.0	U.	70,9		47.9		36.3	430
IRON	14300	J	10200	J	59300	j	45900	J	20100	J
LEAD	44,9	344	10.0	บ	155		112. الدائن ال	2	58.7	onen S
MAGNESIUM	565000		444000		281000		188000		191000	
MANGANESE	6380	J	956	J	1940	J	1650	J	829	Ĵ
MERCURY	0.20	U	0.20	U	0.20	U	0.20	U	0.35	J+/J-
NICKEL	27.3	J	8.3	J	25.0	J	19.5	J	15.1	J
POTASSIUM	17800		23800		8050		7480		8230	
SELENIUM	35.0	U	35.0	U .	35.0	U	35.0	U	35.0	υ
SILVER	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
SODIUM	22300		76800		21800		21100		25600	3,2
THALLIUM	25.0	บป	25.0	UJ	25.0	UJ	25.0	UJ	25.0	UJ
VANADIUM	50.0	Ü	50.0	U	50.0	Ü	50.0	U .	50.0	U
ZINC	109		64.9		124		98.2		150	
CYANIDE	10.0	υ	10.0	U	10.0	U	10.0	U	10.0	ָ ט

Page__of_ OC EXCEPT SUMMARY REPORT case\sas#: <u>3</u>2839 MATRIX: Water WATER SAMPLE SPK: DATA SET: MEU043 LAB: (hemtech CONC: WATER SAMPLE DUP: REVIEWED BY: J. Ganz LAB QC # SOIL SAMPLE SPK:

FORM #		FORM 2	FORM 1	FORM 3	FORM 3	FORM 3	FORM 4	FORM 5	FORM 6	FORM 1	FORM 7	FORM 9	FORM 9	FORM 6	FORM 5	FIELD	FIELD	PIELD	FIELD		
ELEMENT	HOLD	INITIAL CALIB	CONTI N CALIB	CALID BLANK	PREP WATER Blank	PREP SOIL BLANK	HC9 HR	SOIL SPIRE %R	SOIL DUP RPD	AQ AQ	LCS SOIL	SERIAL DILUTION AQUEOUS	SERIAL DILUTION SOIL	AQ DUP RPD	AQ Brixe #R	DLANK	DUP RPD	BLANK	RPD	GFAA DUF	GFAA ANALT SPIKE
ALUMINUM				81								13.						<u> </u>			
ANTIMONT				-6/48										<u></u>							
ARRENIC			ļ	3.6/-4.3				_						ļ			ļ				
IARIUM				1.4/-1.6		ļ		;											ļ		
ERTLLUM				.135/-,	185																
ADMIUM				.41			-4.8											ļ	<u> </u>		
ALCIUM				36/-10																	
MUDMORIE				-1.9/+1		,					i							ļ	ļ	ļ	
COBALT .				-2.3/+1.6	45																
COPPER				-3.4																	
RON				59-51 2.5	:-							15		<u>.</u>							
EAD				2.5																	
MAGNESIUM				-13/121																	
MANGANESE				1.17								15							l		
IERCURT		· i		-,14/4	,022									ļ	127			<u> </u>	ļ		
NCKEL,				1													ļ		ļ	ļ	
MIRERATO																					
PLENIUM				5.5																	
H.VER				,											150				ļ	<u> </u>	
оолим																					
HALLIUM							-14	,													
IN																					
ANADIIIM				7.6/-19																	
INC				7.6/-19 14/-, 7																	
tanme 50,80 80 4-3				1.077									,5 VI Zn:								

	Lass	P	Δ
--	------	---	---

USEPA Contract Laboratory Program Inorganic Traffic Report & Chain of Custody Record

Case	No:	32839
------	-----	-------

DAS No:

SDG No: MF (3.043

Date Shipped:	5/\$/20
Carrier Name:	UPS

1Z6215892210023787

Shipped to:

Airbill:

ChemTech Consulting Group (CHEM)

110 Route 4

Englewood NJ 07631 (201) 568-7400

Chain of Custody Re	cord	Sampler Signature: James M.	fall
Relinquished By	(Date / Time)	Received By	(Date / Time)
///		<u> </u>	

Inha 5/4/04/1730 Synny Vestel

For Lab Use Only

Lab Contract No:

Unit Price:

Transfer To:

Lab Contract No:

Unit Price:

										the state of the s
_	INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
	ME0058	Ground Water/ Jim Salch	L/G	CN (21), TM (21)	5-217435 (HNO3), 5-217436 (NaOH) (2)	Field Blank	S: 5/3/2004	16:40	E0058	
	ME0059	Ground Water/ Jim Salch	L/G	DM (21)	5-217437 (HNO3) (1)	Field Blank DM	S: 5/3/2004	16:40		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: ME0056, ME0057	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab =	G	Custody Seal Intact? 32 Shipment Iced? 32

TR Number: PR provides pre'

Send Copy to:

5-314975591-050304-0006

ary results. Requests for preliminary results will increase analytical costs. ple Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone

3/264-9348 Fax 703/264-9222

CHEMTECH

SDG NARRATIVE

USEPA
SDG # ME0043
CASE # 32839
CONTRACT # 68-W0-2068
LAB NAME: CHEMTECH CONSULTING GROUP
LAB CODE: CHEM

CHEMTECH PROJECT #S2439

A. Number of Samples and Date of Receipt

08 Water Samples were delivered to the laboratory on 05/05/04 and 05/06/04.

B. Parameters

Test requested for Total Metals and Cyanide.

C. Cooler Temp

Indicator Bottle: <u>Presence</u>/Absence Cooler Temp: 5°C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

Issue # 1. Lab Received 20 Soil Samples Today. On TR they did not marked any QC Sample in QC Column. Lab is planing to Choose Sample ME0074 as a QC for SDG # ME0042. This Sample is not a PE, blank or rinsate Sample. Is it Ok to Region?

Issue # 2. Lab Received 3 Coolers for this Case. Out off 3 Coolers 1 cooler for Soil & 2 Coolers for Water. For Water Samples TR they marked only 1 Airbill # they did not marked Send Airbill # on TR. For Second Cooler Aribill # is 1A6215892210023796 this Airbill # is not Listed on TR.

Issue # 3. Lab Received 6 Water Samples for TM/CN & 6 Water Samples for Diss Metals. Lab like to know that Water Samples are Complete for this Case. Because, On Scheduling Notification Form they Scheduled for only 6 Water for TM/CN & 6 Water for Diss Metals.

Issue # 4. Can you update Shipping Notification form for this case. I see only water samples are there for this case no Soil Samples are in Shipping Notification Form. So, I cannot Conform Shipping Notification Form on Superfund Web Site.

For details, please check the attached E-mail Communication page at the end of the Data Package.

E. Corrective Action taken for above:

COVER PAGE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068 SDG No.: ME0043 SAS No. Lab Code: CHEM Case No.: 32839 SOW No.: ILM05.3 Lab Sample ID. EPA SAMPLE NO. S2439-01 ME0043 S2439-02 ME0045 S2439-03 ME0051 S2439-04 ME0053 ME0056 S2439-05 S2439-06 ME0056D S2439-07 ME0056S ME0058 S2439-08 S2439-09 ME0077 ME0080 S2439-10 ICP-AES ICP-MS Were ICP-AES and ICP-MS interelement (Yes/No) YES corrections applied? Were ICP-AES and ICP-MS background corrections (Yes/No) YES applied? If yes-were raw data generated before (Yes/No) NO application of background corrections? Comments: The "E" qualifiers on Form I and VIII for Aluminum, Iron and

The "E" qualifiers on Form I and VIII for Aluminum, Iron and Manganese indicate chemical or physical interference effects, which were suspected during those elements' analyses only.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:
Date: 52564

_ Name: PARVEEN HASAN Title: EPA QA/QC OFFICER

COVER PAGE

IA-IN EPA SAMPLE NO. INORGANIC ANALYSIS DATA SHEET

ME0045

ab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

Matrix: (soil/water) WATER

Lab Sample ID: S2439-02

Level: (low/med) LOW

Date Received: 05/05/2004

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	М	
7429-90-5	Aluminum	1960		E	P	
7440-36-0	Antimony	60.0	U		P	
7440-38-2		10.0	U		P	
7440-39-3	Barium	200 76.7	—I	u	P	94
7440-41-7	Beryllium	5.0 0.49	J -	U	P	A
7440-43-9	Cadmium	5.0	Ū		P	/
7440-70-2	Calcium	646000			P	
7440-47-3	Chromium	10 5.3	-J	U	P	947
7440-48-4	Cobalt	50 4.3	J	<u>-u</u>	P	94
7440-50-8	Copper	25 12.3	ਚ	lù .	P	94
7439-89-6	Iron	10200		E	P	υ,
7439-92-1	Lead	10 9.4	- 3 -	U	P	gar
7439-95-4	Magnesium	444000			P	,
7439-96-5	Manganese	956		E	P	
7439-97-6	Mercury	0.20	U	N	CV	
7440-02-0	Nickel	8.3	J		P	
7440-09-7	Potassium	23800			P.	
7782-49-2	Selenium	35 6.3	-	K	P. P	9/4
7440-22-4	Silver	10.0	U	, N	P	J
7440-23-5	Sodium	76800			P.	
7440-28-0	Thallium	25.0	U		P	
7440-62-2	Vanadium	50 11.2	J	\mathcal{U}	P	94
7440-66-6	Zinc	64.9			P	0
57-12-5	Cyanide	10 7.5	J-	–u	AS	NA NA
		•				1

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: YELLOW

Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN

1A-IN INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0053

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

Matrix: (soil/water) WATER

Lab Sample ID: S2439-04

Level: (low/med) LOW

Date Received: 05/05/2004

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q)	M	
7429-90-5	Aluminum	3740		. E		P	
7440-36-0	Antimony	60.0	U			P	
7440-38-2	Arsenic	35.0				P	-1
7440-39-3	Barium	200 134	J-	\mathcal{U}		P	94
7440-41-7	Beryllium		-J	u		P	122
7440-43-9	Cadmium	5.0	U			P	0
7440-70-2	Calcium	343000				P	1
7440-47-3	Chromium	10.7				P	,
7440-48-4	Cobalt	50 7.2	J-	u		P	94
7440-50-8	Copper	47.9				P	9
7439-89-6	Iron	45900	l	E		P	
7439-92-1	Lead	112	İ			P	
7439-95-4	Magnesium	188000	ļ			P	
7439-96-5	Manganese	1650	ļ	E		P	
7439-97-6	Mercury	0.20 0.08	J_J_	-U N		CV	24
7440-02-0	Nickel	19.5	J			P.	P
7440-09-7	Potassium	7480	į			P	
7782-49-2	Selenium	35.0	Ū		•	P	
7440-22-4	Silver	10.0	· U	N		P	
7440-23-5	Sodium	21100				P	
7440-28-0	Thallium	25.0	U			P	
7440-62-2	Vanadium	50 19.5	J	lu		P	24
7440-66-6	Zinc	98.2				P	
57-12-5	Cyanide	10.0	ט			AS	
1	=						

Color Before: BRC	NWO	
-------------------	-----	--

Clarity Before: CLOUDY Texture:

Color After: YELLOW

Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN

1A-IN INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0058

ab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM

Case No.: 32839 SAS No.

SDG No.: ME0043

Matrix: (soil/water) WATER

Lab Sample ID: S2439-08

Level: (low/med) LOW

Date Received: 05/05/2004

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concer	ntration	С		Q		 М	
7429-90-5	Aluminum	200	66. 1	-J	ū	E		 P	24
7440-36-0	Antimony	-	60.0	U				l P	0
7440-38-2	Arsenic		10.0	U				P	
7440-39-3	Barium		200	U				P	
7440-41-7	Beryllium		5.0	U				P	
7440-43-9			5.0	U				P	,
7440-70-2	Calcium	5000	1990	J	u			P	94
7440-47-3	Chromium	J	10.0	U				P	0
7440-48-4	Cobalt		50.0	U				P	
7440-50-8	Copper	25	4.6	J-J-	u			P	25_
7439-89-6		100	33:1-	+5	Ü	E		P	65
7439-92-1	Lead	100	10.0	U				P	1
7439-95-4	Magnesium	5000	365	J	-u			P	24
1	Manganese	15	1.5	 J -	Ц	E		P	199
7439-97-6			0.20	ט	-(N		CV	0
7440-02-0	· -		40.0	U				- P	
7440-09-7	Potassium		5000	ט	İ			P	
7782-49-2	1 .		35.0	U				P	
7440-22-4	Silver		10.0	U		N		P	
7440-23-5	Sodium		5000	U				P	
7440-28-0	Thallium		25.0	U				P	١.
7440-62-2	Vanadium	50	1.2	J	u		-	P	94
7440-66-6		60	15.7	J.J.	LU			P	94
57-12-5	Cyanide	و چ	10.0	Ū				AS	<i>"</i>
	-								
l	l			'	i			 ·	ı

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

FORM IA-IN

1A-IN INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0080

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

Matrix: (soil/water) WATER

Lab Sample ID: S2439-10

Level: (low/med) LOW

Date Received: 05/06/2004

% Solids:

0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	M
7429-90-5	Aluminum	200 40.8	J	U E	P 9.5
7440-36-0	Antimony	60 94		+u	P 04
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200 21.2	J -	\mathcal{U}	P. 94
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	69000			P .
7440-47-3	Chromium	0 1.7	J	$ \mathcal{U} $	P ga
7440-48-4	Cobalt	50 2.3	J	u	P 94
7440-50-8	Copper	25 4-6	J -	U	P 労
7439-89-6		100 42.4	-3-	u E	P 94
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	27900	[P
7439-96-5	Manganese	18.8		E	P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	40.0	ט		P
7440-09-7	Potassium	7700			P
7782-49-2	Selenium	35.0	ט	,	P
7440-22-4	Silver	10.0	ָ U	N	P
7440-23-5	Sodium	22800	j		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60 17.9	J	u	P 94
57-12-5	Cyanide	10.0	U		AS J
	-				
			l		

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN

3 - IN BLANKS

Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM

Case No.: 32839 SAS No.

SDG No.: ME0043

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	С	Contin		ng Calibra ank (ug/L) 2		ion 3	С	Prepa- ration Blank	С	М
Aluminum Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel 'otassium Selenium Silver Sodium Thallium Vanadium Zinc Cyanide			53.175 60.000 10.000 200.000 5.000 19.175 10.000 25.000 49.575 10.000 5000.000 1.170 -0.122 40.000 5000.000 5.370 10.000 5000.000 6.955 50.000 60.000	מפהפסתם מחח מחח מחחם מחחם מחחם מחחם	81.165 60.000 10.000 200.000 5.000 20.010 10.000 -1.090 -51.210 10.000 10.510 15.000 40.000 5000.000 35.000 10.000 50.000 60.000	מהממממ מהמהמממממם	16.830 -6.150 3.595 -1.630 -0.185 5.000 -10.625 -1.900 -2.270 -3.415 -34.970 2.525 -25.360 15.000 40.000 -35.735 35.000 10.000 1965.010 -3.510 7.585 60.000	ם מממממתנ			P P P P P P P P P P P P P P P P P P P

FORM III-IN

3-IN BLANKS

Lab Name: CHEMTECH CONSULTING GROUP

Contract: 68-W0-2068

Lab Code: CHEM

Case No.: 32839 SAS No.

SDG No.: ME0043

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	С	Conti 1		ing Calil lank (ug 2	lon 3	C	Prepa- ration Blank	С	M
Aluminum Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium Silver Sodium Thallium Vanadium Zinc Cyanide			200.000 5.390 10.000 0.935 0.065 5.000 15.795 10.000 24.070 15.000 40.000 5000.000 5000.000 -3.000 -1.335 -0.720	מתםםםםם סמסמסמסמסמם						$\begin{matrix} \mathbf{P} & \mathbf{P} $

FORM III-IN .

4A-IN ICP-AES INTERFERENCE CHECK SAMPLE

Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

ICP-AES Instrument ID: P2

ICS Source: EPA-LV

Concentration Units: ug/L

	True	2		Initial	Found			nal Fo		
	Sol.	Sol.	Sol		Sol.		Sol.		Sol.	
Analyte	· A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	244000	248000					233000	95	233000	94
Antimony	0	585		ŀ			5.7		591	101
Arsenic	0	97.0	İ				-2.1		97.3	100
Barium	2.0	475					1.8	90	505	106
Beryllium	0	482		ĺ			0.40	l	472	98
Cadmium	0	916		İ			-1.6	ĺ	973	106
Calcium	234000	234000		1		Î	245000	105	247000	106
Chromium	36.0	506		ĺ			30.5	85	484	96
Cobalt	3.0	455	[.	[4	3.2	107	465	102
Copper	15.0	537					12.4	83	489	91
Iron	94900	95100					88300	93	88800	93
Lead	5.0	51.0					1.6	32	47.1	92
Magnesium	249000	254000					269000	. 108	270000	106
Manganese	19.0	483					19.3	102	494	102
Nickel	10.0	930					12.1	121	967	104
Potassium	0	0		1 '			-1.0	j	21.5	
Selenium	0	51.0				[-2.6	ĺ	45.8	90
ilver	0	210					-0.74		217	103
sodium	0	0					249	Į	575	
Thallium	0	96.0					-11.2		93.6	98
Vanadium	1.0	481					3.7	370	475	99
Zinc	39.0	975					37.5	96	932	96
				,				[
								Ì]
								ĺ		
		l			.	_				

FORM IVA-IN

4A-IN ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

ICP-AES Instrument ID: P2

ICS Source: EPA-LV

Concentration Units: ug/L

	True	Sol.	I Sol.		Found Sol.		Fir Sol.	nal Fo	ound Sol.	
Analyte	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	244000	248000					233000	95	235000	95
Antimony	0	585					6.1		591	101
Arsenic	0	97.0					-0.44		97.1	100
Barium	2.0	475	-				4.0	200	510	107
Beryllium	0	482					0.49		477	99
Cadmium	ol	916					-4.8		958	105
Calcium	234000	234000					233000	100	235000	100
Chromium	36.0	506					32.4	90	504	100
Cobalt	3.0	455					4.9	163	476	.105
Copper	15.0	537					13.9	93	508	95
Iron	94900	95100	i				91800	97	93200	98
Lead	5.0	51.0	1 .				4.2	84	52.8	104
Magnesium	249000	254000					248000	100	250000	98
Manganese	19.0	483			,		19.8	104	514	106
Nickel	10.0	930			-		11.5	115	978	105
Potassium	0	0					33.4		37.1	
Selenium	0	51.0					-4.0		47.0	92
Silver	0	210					-0.17		208	.99
Sodium	0	. 0					778		903	
Thallium	0	96.0					-9.6		86.6	90
Vanadium	1.0	481					-0.12	-12	474	99
Zinc	39.0	975			·		39.2	101	1000	103
						`				
	-									
				_1		_				

5A-IN MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0056S

ab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No.

SDG No.: ME0043

Matrix: (soil/water) WATER

Level: (low/med) LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) (Spike Added (SA)	%R	Q	М
Aluminum	75-125	4220.6050	2419.3250	2000.00	90	-	P
Antimony	75-125	102.6400	60.0000 t	100.00	103		P
Arsenic	75-125	58.5700	15.0200	40.00	109		P
Barium	75-125	2039.5500	64.8350	2000.00	99		P
Beryllium	75-125	47.7500	0.9100	50.00	94		P
Cadmium	75-125	49.2500	5.0000 t	50.00	99		P
Calcium						İ	NR
Chromium	75-125	183.0850	5.8800 3	200.00	89		P
Cobalt	75-125	456.3450	3.2300 J	500.00	91		Ρ
Copper	75-125	276.9700	36.2650	250.00	96		P
Iron		20547.7500	20081.6250	1000.00	47		P
Lead	75-125	76.8600	58.6950	20.00	91		P
Magnesium							NR
Manganese	75-125	1261.1400	829.4550	500.00	86		P
Mercury	75-125	1.6200	0.3470	1.00	127	Ν	CV
Vickel	75-125	480.5950	15.0600 J	500.00	93		P
Potassium							NR
Selenium	75-125	53.6450	35.0000 t		107		P
Silver Sodium	75-125	74.7600	10.0000	50.00	150	N	P NR
Thallium	75-125	48.3550	25.0000 [50.00	97		P
Vanadium	75-125	483.5000	13.0850 J		94		P
Zinc	75-125	612.8600	149.6500	500.00	93		P
Cyanide	75-125	92.9970	10.0000 t	1	93		AS

Jon	ments:

FORM VA-IN

8-IN ICP-AES AND ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

ME0056L

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

Matrix: (soil/water) WATER

Level: (low/med) LOW

Concentration Units: ug/L

	•				
		Serial	્ર		
	Initial Sample	Dilution	Differ-		
Analyte	Result (I) C	Result (S) C	ence	Q	M
Aluminum	2419.33	2723.53	13	E	P
Antimony	60.00 U	46.43 J			P
Arsenic	15.02	50.00 U	100		P
Barium	64.84 J	73.55 J	13		P
Beryllium	0.91 J	25.00 U	100		P
Cadmium	5.00 U	25.00 U			P
Calcium	343058.15	346140.40	1		P
Chromium	5.88 J	8.98 J	53		P
Cobalt	3.23 J	11.60 J	259		P
Copper	36.27	32.75 J	10		P
Iron	20081.63	23100.78	15	E	P
Lead	58.70	65.30	11		P
Magnesium	190934.39	179367.55	6	i _	P
Manganese	829.46	951.83	15	E	P
Nickel	15.06 J	200.00 U	100		P
Potassium	8227.25	7406.88 J	10		P
Selenium	35.00 U	175.00 U			P
Silver	10.00 U	50.00 U			P
Sodium	25614.81	29044.13	13		P
Thallium	25.00 U	125.00 U	100		P
Vanadium	13.09 J	250.00 U	100		P
Zinc	149.65	148.03 J	1		5
l	l	_	l	l i	ا ــــــا

FORM VIII-IN

9-IN METHOD DETECTION LIMITS (ANNUALLY)

b Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

Instrument Type: P Instrument ID: P2 Date: 04/05/2004

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

Antimony 206.80 60 5.1 Arsenic 189.00 10 2.3 Barium 493.40 200 0.68 Beryllium 313.00 5 0.050 Cadmium 226.50 5 0.40 Calcium 317.90 5000 2.4 Chromium 267.70 10 0.71 Cobalt 228.60 50 0.57 Copper 324.70 25 1.0 Copper 324.70 25 1.0 Magnesium 279.00 5000 5.3 Manganese 257.60 15 0.27 Mercury Nickel 231.60 40 1.5 Mercury Nickel 231.60 40 1.5 Selenium 196.00 35 5.3 Silver 328.00 10 1.3 Sodium 588.90 5000 316	Analyte	Wavelength /Mass	CRQL	MDL
Vanadium 292.40 50 0.91	Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium Silver Sodium Thallium Vanadium Zinc	206.80 189.00 493.40 313.00 226.50 317.90 267.70 228.60 324.70 271.40 220.40 279.00 257.60 231.60 766.50 196.00 328.00 588.90 190.90 292.40	60 10 200 5 5000 10 5000 15 0.2 40 5000 35 10 5000 5000 5000 5000 5000 50	10.6 5.1 2.3 0.68 0.050 0.40 2.4 0.71 0.57 1.0 15.7 1.5 5.3 0.27 1.5 17.7 5.3 1.3 316 1.8 0.91 0.55

Comments	٠

P2: ICP 61E TRACE ANALYZER

FORM IX-IN

9-IN METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No.

SDG No.: ME0043

Instrument Type: AS Instrument ID: CN

Date: 10/17/2003

Preparation Method: DW2

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium Silver Sodium Thallium Vanadium Zinc Cyanide	578.00	200 60 10 200 5 5 5000 10 500 15 0.2 40 5000 35 10 5000 25 50 60 10	3.8

Comments:

CN: KONELAB 200

FORM IX-IN ·

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

ESD Central Regional Laboratory Data Tracking Form for Contract Samples

Sample Delivery Group: <u>HEDO43</u>	CERCLIS No:	16600	5454566	
Case No: 32839	_ Site Name/Loca	ation: <u>US</u>	STEEL CORP.	JoLiet
Contractor of EPA Lab: Often Leatt	Data User	:	IEFA	WORK
No. of Samples:	Date Sampled or D	Date Receive	ed: 5-28-	04
Have Chain-of-Custody records been received? Have traffic reports or packing lists been received. If no, are traffic report or packing list numbers Yes No If no, which traffic report or packing list number.	written on the Cha	No No iin-of-Custo	 dy Record?	
Are basic data forms in? Yes No No of samples claimed:	No. of samples	received: _	8	
Received by: Eug M. Dixon	ESAT	_ Date:	5-28-04	
Received by LSSS: Eug M. Dixa	n ESAT	_ Date:	5-28-04	
Review started: $7-1-04$		//	/)	
Total time spent on review:	Date review co	ompleted:_	7-6-04	<u>f</u>
Copied by: CM M. Dixon ES	1			
Mailed to user by: Cwa M. Dixon	[ESAT	_ Date:	7-6-02	
DATA USER: Please fill in the blanks below and return this for Sylvia Griffin, Data Mgmt. Coordinato		0C		
Data received by:		_ Date:		
Data review received by:	•	_ Date:		
Inorganic Data Complete Organic Data Complete Dioxin data Complete SAS Data Complete	[] Suitable for In [] Suitable for In [] Suitable for In [] Suitable for In	tended Purp tended Purp	oose[] ✓ if OK oose[] ✓ if OK	
PROBLEMS: Please indicate reasons why data	a are not suitable fo	or your uses		
Received by Data Mome Coordinator for Files	Date			

DATE:	July 6, 2004		*	
	IEPA 1021 North Gra P.O. Box 1927 Springfield, IL			
Attn:	Bob Casper			
SITE NAME:	US Steel Corp.	Joliet Works		• .
CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32839	Chemtech	8	ME0044	Water
below. Send this form back to	o Sylvia Griffin, D	ch package for completeness a Data Management Coordinate Date:	or after filling i	
•	is complete, and	note if there are any deliveral	bles missing fr	om the cases noted
Received by Data Ma Date: Signature:		-		_
FROM: U.S. EPA Region V Central Regional Lab 536 S. Clark, 10th Flo Chicago, IL 60605		RECEIVED 1011 2 2004 2004 2004		

Sent By:

Eva M. Dixon, Sr. Data Specialist

ESAT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

DATE:	7/6/04
SUBJECT:	Review of Data Received for review on 5/28/04
FROM:	Stephen L. Ostrodka, Chief (SMF-4J) Superfund Field Services Section
TO:	Data User: <u>IEPA</u>
We have rev	iewed the data by CADRE for the following case:
SITE NAME	E: US Steel Corp. Joliet Works (IL)
CASE NUM	BER: _32839
Number and	Type of Samples: 8 water
Sample Num	bers: <u>ME0044, 46, 52, 54, 57, 59, 78, 81</u>
Laboratory:	Chemtech Hrs. for Review:
Following are	e our findings:

CC: Howard Pham Region 5 TOPO Mail Code: SRT-4J Case: 32839

Site: US Steel Corp. Joliet Works

SDG: ME0044

Laboratory: Chemtech

Page 3 of 6

1. HOLDING TIME:

No defects were found.

2. CALIBRATIONS:

No defects were found for the calibration or the CRQL standard.

3. BLANKS:

The following inorganic samples are associated with an ICB/CCB concentration which is greater than the instrument detection limit (IDL) but less than or equal to the CRQL. The sample result is greater than the MDL but less than or equal to the CRQL.

Hits are qualified "U". The sample result is raised to the CRQL.

Aluminum

ME0044, ME0052, ME0078

Arsenic

ME0054, ME0057, ME0078, ME0081

Calcium

ME0059

Cobalt

ME0044, ME0052, ME0054, ME0081

The following inorganic samples are associated with a negative ICB/CCB concentration whose absolute value is greater than the instrument detection limit (IDL). The sample result is also greater than the MDL but less than or equal to the CROL.

Hits are qualified "U". The sample result is raised to the CRQL.

Iron.

ME0078, ME0081

Mercury

ME0057, ME0078

Zinc

ME0044, ME0046, ME0052, ME0054, ME0057, ME0059, ME0078, ME0081

Reviewed by: Stephen Connet Date: July 6, 2004

Case: 32839

Site: US Steel Corp. Joliet Works

SDG: ME0044

Laboratory: Chemtech

Page 5 of 6

detects are qualified "UJ". Hits greater than 10 times the ICSA are not qualified.

Silver

ME0044, ME0046

Vanadium

ME0044, ME0046

7. GFAA ANALYSIS:

No GFAA analyses were performed for this case.

8. SAMPLE RESULTS:

The following inorganic samples have analyte concentrations reported above the method detection limit (MDL) but below the quantitation limit (CRQL).

Results are qualified "J".

Barium

ME0044, ME0046, ME0052, ME0054, ME0057, ME0078

Chromium

ME0078

Copper

ME0057

Manganese

ME0046

Nickel

ME0044, ME0054

Selenium

ME0046

Thallium

ME0054, ME0057

All data, except those qualified above, are acceptable.

Reviewed by: Stephen Connet Date: July 6, 2004

Case #: 32839

SDG: ME0044

Site:

U.S. STEEL CORP JOLIET WORKS

Lab.: Reviewer: CHEM

ate:

S. CONNET 07/06/04

Number of Soil Samples: 0

Number of Water Samples: 8

Sample Number :	ME0044		ME0046		ME0052		ME0054		ME0057		
Sampling Location :	G103DM		G104DM		G102DM		G105DM		G101DM	ı	
Matrix :	Water		Water		Water		Water		Water		
Units:	ug/L		ug/L	ug/L		ug/L		ug/L			
Date Sampled :	5/3/2004		5/3/2004	5/3/2004		5/3/2004		5/3/2004			
Time Sampled :	12:30		13:15		15:00		15:00		16:00		
%Solids :	0.0		0.0		0.0		0.0		0.0	·	
Dilution Factor :	1.0		1.0		1.0	*	1.0		1.0		
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	
ALUMINUM	200	U	200	U	200	U	200	U	200	U	
ANTIMONY	60.0	U.	60.0	Ü	60.0	U	60.0	U .	60.0	Ü	
ARSENIC	10.0	U	10.0	U	10.9	が	10.0	U	10.0	U	
BARIUM	38.6	J	49,0	J	60.0	J.	58.2	J	29.7	J	
BERYLLIUM	5.0	U	5.0	U	5.0	υ	5.0	U	5.0	U	
CADMIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	u .	
CALCIUM	421000	12030134040040111110004451014	182000		97300	:	92800		92800		
CHROMIUM	10.0	Ŭ.	10.0	U	147		61.8	l	10.0	u	
COBALT	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U.	
COPPER	25.0	U	25.0	U	25.0	U	25.0	U	6.6	J	
IRON	2410	e nijo o nazve omnernak se nazve s	100	U	6610		4710		145		
LEAD	10.0	ับ	10.0	ט	10.0	U .	10.0	U_	10.0	υ	
MAGNESIUM	258000		106000		31900		30000		31300		
MANGANESE	5890		3,2	J	425		399		157		
MERCURY	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	
NICKEL	15.3	J	40.0	U	40.8		15.9	J	40,0	Ü	
,'OTASSIUM	16700	AND AND MORNORED CO.	20500	NAMES AND ADDRESS OF THE PARTY	. 6310		6140		7540		
SELENIUM	35.0	Ü	6.6	J	35.0	Ü	35.0	Ü	35,0	u - '	
SILVER	10.0	UJ	10.0	UJ	10.0	UJ	10.0	บง	10.0	UJ	
SODIUM	25300	J	80400	J	24600	J	23900	J	29800	ງ	
THALLIUM	25.0	U	25.0	U	11.3	J	13.1	J	25.0	U	
VANADIUM	50.0	บง	50.0	บม	50,0	υ	50.0	u	50.0	U	
ZINC	60.0	U	60.0	U	60.0	υ	60.0	U	60.0	U	

QC EXCEPTION SUMMARY REPORT

CASE\SAS#: 32839	SITE: US STEEL CORP JOLIET WORMATRIX: WATER	WATER SAMPLE SPK: MECOST
DATA SET: MEOCHY	LAB: CHEMTECH CONC: COW	WATER SAMPLE DUP:
тив ос #	REVIEWED BY: 4. CONNET	SOIL SAMPLE SPK:
HATE: 7-6-04		SOIL SAMPLE DUP:

ki ()		FORM 1	IORM 1	PORM 3	t Macri	PORM 3	FORM 4	РОВМ 3	БОИМ 6	PORM 7	FORM 7	FORM 9	TORM 8	10RM 6	РОИМ 3	ITELD	PINLD	HELD.	PIELD	сомивитя
ыныт	Here Hot D	INITIAL CALIB	CONTIN	CALIB	PREP WATER BLANK	PREP SOIL BLANK	10s A	SOIL SPIKE NR	SOIL DUP RPD	ICS AQ	ics soit	SERFAL SERVITON SUCCESSION OF SERVICES	SERIAL DILUTION SOIL	AQ DUP	AR SINKE	BLANK	DUP RPD	BLANK	DUP RPD	
110413004				51.49																
инык				1							,									
destante .				4.41																
12,113,4 1,113,4																				
ALEVITUOA					1															
ALFILLM					- 															
ALCHIM				27.81																
Тиковий																				
Ob 41.1				1.00																
OLIK				· ·															1	
Ikoni				-27																
I FAD																				
1000082004																				
O A INDUITESE								_												-
HERCHRY				-0.08	8															
ide k til														1			1			
hoi Asalina																				
514 L 2 H Si																				
al Veli							-3.35								66.0					
SA4164												14.3								
rir si cuola																				
nu																			1.	
AUALADA							-5.97										1		 	
Inc				-2.39			1										 	1	1	

ICSA SAMPLES: 44,46

CHEMTECH

Resolution 1 - In accordance with previous direction from Region 5, the laboratory will select a sample for laboratory QC as long as the sample is not a PE, blank, or rinsate sample. The laboratory will note the issue in the SDG Narrative, notify the SMO coordinator of the sample selected for QC, and proceed with the analysis of the samples. If the laboratory is not sure that the sample they selected is not a PE, blank, or rinsate sample, they will contact SMO and wait for a resolution from the Region. SMO will report that CHEM selected sample ME0074 as lab QC for SDG ME0042.

Resolution 2 - In accordance with previous direction from Region 5, the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Resolution 3 - It is possible that 3 additional waters will be shipped under this Case. The sampler will notify the Region for approval once it has been determined that the samples are needed.

Resolution 4 - SMO has sent you the shipping information for this Case.

For More details Regional Resolutions, please check the attached E-mail Communication page at the end of the Data Package.

F. Analytical Techniques:

All analyses were based on CLP Methodology by method ILM05.3

G. Calculation:

Conversion of results from mg/L to mg/kg (Dry Weight Basis):

Mg/Kg = (Result in mg/L) X 1000 X 100/ % Solid X Fraction of Sample Amount Taken in Prep.

G. QA/QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did met requirements except for the Silver. Duplicate sample did met requirements. Serial Dilution did met requirements except for the Sodium.

I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature

Name: Parveen Hasan

Date

Title: EPA QA/QC OFFICER

		A
--	--	---

USEPA Contract Laboratory Program Inorganic Traffic Report & Chain of Custody Record

Case No:	32839	
DAS No:		
SDG No:	_	

Date Shipped: Carrier Name:	5/\$/2004		Chain of Custod	y Record	Sampler Signature: James M.	fall	For La	b Use Only			
Carrier Name:	UPS		Relinquished By		Received By	(Date / Time)	Lab Con	tract No:	8W& 2468		
Airbill:	1Z6215892210023	787		111 1111	- 01 1				,		
Shipped to:	ChemTech Consul	tina	James M. E	had 5/4/04/1730	Synny Party SIS	5/04 10:10	Unit Pric	e:	\$68.00		
	Group (CHEM) 110 Route 4	3	2		<i>O</i> -		Transfer				
	Englewood NJ 076	31 .	3					torost No.			
=	(201) 568-7400						Lab Con	tract No:	<u>., , , , , , , , , , , , , , , , , , , </u>		
			4				Unit Pric	e:			
INORGANIC SAMPLE No.		CONC/ TYPE	ÄNALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLL Date/Timi		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt		
ME0058	Ground Water/ Jim Salch	L/G	CN (21), TM (21)	5-217435 (HNO3), 5-2174 (NaOH) (2)	36 Field Blank	S: 5/3/2004	16:40	E0058			
ME0059	Ground Water/ Jim Salch	L/G	DM (21)	5-217437 (HNO3) (1)	Field Blank DM	S: 5/3/2004	16:40				

Original Documents are included in CSF MEO \$43

Λ.			
411:0001.1	Samplesis	2011	no Cor Alin
T/1 711/1/CW	Sample	$\mathcal{M} = \mathcal{M} = \mathcal{M}$	17) F (3 (2)4 S
111 1111100	Dame UD 15	いいこつりはては	$IUE \cup V$

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: ME0056, ME0057	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Numb	
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? 7=8	Shipment Iced?

TR Number:

PR provides Send Copy

er: 5-314975591-050304-0006

minary results. Requests for preliminary results will increase analytical costs. ample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 P.

703/264-9348 Fax 703/264-9222

LABORATORY

COVER PAGE

L	ab	Name:	CHEMTECH CON	SULTI	NG GR	OUP	Conti	ract:	68-W0-2	068	
	ιb	Code:	CHEM	Case	No.:	32839	SAS	No.		SDG No.	: ME0044
S	WC	No.:	ILM05.3								
			EPA SAMPL ME0044 ME0046 ME0052 ME0054 ME0057 ME0057D ME0057S ME0059 ME0078 ME0081	E NO.					Lab Sa 5244 5244 5244 5244 5244 5244 5244 5244	0-02 0-03 0-04 0-05 0-06 0-07 0-08 0-09	
										ICP-AES	ICP-MS
			AES and ICP-M ns applied?	S into	erele	ment		(7	Yes/No)	YES	
		e ICP-A Lied?	AES and ICP-M	S bac	kgrou	nd corre	ctions	5 (Yes/No)	YES	·
			-were raw dat ation of back					()	Yes/No)	NO	
С	omn	or	"E" qualifier physical inte element's an	rfere	nce e	ffects,	II for which	r Sod: were	ium india suspecta	cate chem ed during	nical
c t h (b	ond har ard or y (ditions the d lcopy d via an JSEPA)	that this da s of the cont conditions de data package n alternate m has been aut as verified	ract, tailed and in eans d horize	both aborn the of ele	technic ve. Rel compute ectronic the Lab	ally a ease o r-read trans oraton	and for of the dable smiss: cy Mar	or comple e data co data sul ion, if a	eteness, ontained bmitted o approved	for other in this on diskett in advance

COVER PAGE

Signature:
Date: ____

Name: PARVEEN HASAN Title: EPA QA/QC OFFICER

1A-IN INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0046

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

Matrix: (soil/water) WATER

Lab Sample ID: S2440-02

Level: (low/med) LOW

Date Received: 05/05/2004

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	200	U		P
7440-36-0		60.0	Ū		P
7440-38-2		10.0	บ		P
7440-39-3		49.0	J		P
1	Beryllium	5.0	IJ		P
7440-43-9		5.0	Ü		P
7440-70-2		182000	U.	•	P
7440-47-3		10.0	IJ		P
7440-48-4	ļ	50.0	tī		P
7440-50-8		25.0	IJ		P
7439-89-6		100	U		P
7439-89-8	1	10.0	IJ		P
1	Magnesium				P
	Manganese	3.2	រា		P
7439-96-5		0.20	Ū		CV
7440-02-0		40.0	ττ		P
		··· - · · ·	U		P
	Potassium	20500	_		P
7782-49-2	· ·	6.6	J		1 - 1
7440-22-4		10.0	Ü	N	P
7440-23-5		80400		E	P
7440-28-0		25.0	Ū		P
7440-62-2		50.0	Ū	·	P
7440-66-6		60.00 -21.8	-1	~7-2-04	P
57-12-5	Cyanide				NR
					ll

Color Before: COL	ORLESS
-------------------	--------

Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN

1A-IN INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0054

b Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

Matrix: (soil/water) WATER

Lab Sample ID: S2440-04

Level: (low/med) LOW

Date Received: 05/05/2004

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5 7440-36-0 7440-38-2 7440-39-3	Antimony Arsenic	200 60.0 (0.00 8.0 58.2	U U J	W9-2-04	P P P P
7440-41-7 7440-43-9 7440-70-2 7440-47-3	Beryllium Cadmium Calcium	5.0 5.0 92800 61.8	บ		P P P
7440-48-4 7440-50-8 7439-89-6	Cobalt Copper	50.00 1.1 25.0 4710	U.	w7-7-04	P P P
7439-92-1 7439-95-4 7439-96-5	Magnesium Manganese	10.0 30000 399 0.20	נז		P P CV
7439-97-6 7440-02-0 7440-09-7 7782-49-2	Nickel Potassium	15.9	J		P P P
7440-22-4 7440-23-5 7440-28-0	Silver Sodium	10.0 23900 13.1	J	N E	P P P
7440-62-2 7440-66-6 57-12-5		50.0 60.00 13.1	U J	~7-2-04	P P NR
	<u> </u>				

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN

1A-IN INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0059

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

Matrix: (soil/water) WATER

Lab Sample ID: S2440-08

Level: (low/med) LOW

Date Received: 05/05/2004

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	М
7440-43-9 7440-70-2 7440-47-3 7440-48-4 7440-50-8 7439-89-6 7439-92-1 7439-95-4 7439-96-5 7439-97-6 7440-02-0	Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium Silver Sodium Thallium Vanadium Zinc	200 60.0 10.0 200 5.0 5.0 5.0 5.0 50.0 25.0 10.0 50.0 15.0 0.20 40.0 5000 35.0 10.0 5000 25.0 40.0 5000 40.0 5000 40.0 5000 60.0		N E ルツ・マ・c Y	P P P P P P P P P P P P P P P P P P P

Color	Before:	COLORLESS

Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN

1A-IN INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0081

b Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No.

SDG No.: ME0044

Matrix: (soil/water) WATER

Lab Sample ID: S2440-10

Level: (low/med) LOW

Date Received: 05/06/2004

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

	_			_	T
CAS No.	Analyte	Concentration	C	Q Q	М
7429-90-5	Aluminum	200	U		
7440-36-0		60.0	Ū		P
7440-38-2		10.004.6	-J-	~7-2-04	P
7440-39-3		200	U	, ,	P
7440-41-7		5.0	U		P
7440-43-9		5.0	Ū		P
7440-70-2	Calcium	78300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.00 1.5	J	w9-2-04	P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	(00 U 35.5	-3	w7-2-04	P
7439-92-1	Lead	10.0	Ū	•	P
7439-95-4	Magnesium	32000	j		P
7439-96-5	Manganese	16.6			P
7439-97-6	Mercury	0.20	Ū		CV
7440-02-0	Nickel	40.0	Ū		P
7440-09-7	Potassium	8080			P
7782-49-2	Selenium	35.0	Ū		P
7440-22-4		10.0	Ū	N	P
7440-23-5		25500		E	P
7440-28-0		25.0	υ.		P
7440-62-2	ł .	50.0	Ū	2 7 764	P
7440-66-6	,	60.01 18.1	J	47-2-04	P
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: CQLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN

3-IN BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM

Case No.: 32839 SAS No.

SDG No.: ME0044

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	С	Contii 1		ing Calibra Lank (ug/L) 2		ion 3	С	Prepa- ration Blank	С	M
Aluminum Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium Silver Sodium Thallium Vanadium Zinc Cyanide			200.000 60.000 4.410 200.000 5.000 7.620 10.000 25.000 100.000 10.000 5000.000 -0.037 40.000 -43.420 35.000 10.000 5000.000 25.000 -1.770	ממממלמממנמ	51.490 60.000 10.000 200.000 5.000 0.430 5.920 10.000 25.000 100.000 -4.190 5000.000 15.000 0.200 40.000 -98.780 35.000 10.000 50.000 50.000 25.000	ממממממממממממממממ	18.450 60.000 3.180 200.000 5.000 5.000 50.000 25.000 -26.990 -5.210 5000.000 40.000 -92.500 35.000 10.000 50.000 -2.270	ר ממממממם ממממממממממ			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

FORM III-IN

4A-IN ICP-AES INTERFERENCE CHECK SAMPLE

Tab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No.

SDG No.: ME0044

ICP-AES Instrument ID: P1

ICS Source: EPA-LV

Concentration Units: ug/L

	True		Tni	+is]	Found		Final Found					
	Sol.	sol.	Sol.	LLAL	Sol.		Sol.	10.1	Sol.			
Analyte	Α	AB	A	%R	AB	%R	A	%R	AB	%R		
1												
Aluminum	244000	248000	234000	96	233000	94	230000	94	236000	95		
Antimony	0	585	2.2		573	98	1.3		566	97		
Arsenic	0	97.0	5.2		96.8	100	-1.0		99.0	102		
Barium	2.0	475	1.8	90	547	115	1.3	65	545	115		
Beryllium	0	482	0.25		450	93	-0.29		438	91		
Cadmium	0	916	2.7		938	102	0.87		919	100		
Calcium	234000	234000	230000	98	228000	97	228000	97	224000	96		
Chromium	36.0	506	42.8	119	496	98	40.6	113	486	96		
Cobalt	3.0	455	6.2	207	479	105	5.5	183	470	103		
Copper	. 15.0	537	12.6	84	518	96	11.9	79	516	96		
Iron	94900	95100	87300	92	86600	91	84900	89	84000	88		
Lead	5.0	51.0	-0.055	-1	45.9	90	-1.6	-32	47.6	93		
Magnesium	249000	254000	244000	98	242000	95	240000	96	242000	95		
Manganese	19.0	483	21.7	114	495	102	20.5	108	483	100		
Nickel	10.0	930	18.2	182	944	102	16.8	168	929	100		
Potassium	0	0	63.3		61.0		-21.7		17.0	[
Selenium	0	51.0	3.6		43.7	86	-0.56		46.2	91		
ilver	0	210	-1.9		169	80	-1.5		191	91		
odium	0	0	539		755		536		693			
Thallium	0	96.0	-4.7		87.4	91	14.9		96.6	101		
Vanadium	1.0	481	-3.9	-390	461	96		-370	452	94		
Zinc	39.0	975	41.5	106	1080	111	39.1	100	1050	108		
				ļ								
			l									

4A-IN ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

ICP-AES Instrument ID: P1

ICS Source: EPA-LV

Concentration Units: ug/L

	True	I		nitial			Final Found Sol. Sol.						
Analyte	Sol. A	Sol. AB	Sol.	%R	Sol. AB	%R	501. A	%R	AB	%R			
1111011													
Aluminum	244000	248000					233000	95	237000	96			
Antimony	0	585				·	-0.73	-	589	101			
Arsenic	0	97.0					1.9		97.9	101			
Barium	2.0	475					1.4	70	534	112			
Beryllium	0	482					0.15		456	95.			
Cadmium	0	916					0.99		955	104			
Calcium	234000	234000					229000		234000	100			
Chromium	36.0	506					37.7		505	100			
Cobalt	3.0	455					4.9		484	106			
Copper	15.0	537					9.8	65	524	98			
Iron	94900	95100					85600	90	87500	92			
Lead	5.0	51.0					-3.0	-60	47.6	93			
Magnesium	249000	254000	1				243000	98	247000	97			
Manganese	19.0	483					17.2	91	508	105			
Nickel	10.0	930					10.7	107	986	106			
Potassium	0	0					-37.0		-45.7				
Selenium	0	51.0					2.8		46.0	90			
Silver	0	210	İ				-0.49		193	92			
Sodium	0	0 [395		469				
Thallium	0	96.0					-9.1		84.7	88			
Vanadium	1.0	481					-4.7	-470	476	99			
Zinc	39.0	975		Ì			37.8	97	1090	112			
			İ						ĺ	'			
	-												
				_		_							

5A-IN EPA SAMPLE NO. MATRIX SPIKE SAMPLE RECOVERY

ME0057S

ab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No.

SDG No.: ME0044

Matrix: (soil/water) WATER

Level: (low/med) LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) (Spike Added (SA)	%R	Q	М
Aluminum	75-125	1850.7200	200.0000 1	2000.00	93	-	P
Antimony	75-125	91.9100	60.0000	100.00	92	İ	Р
Arsenic	75-125	41.1400	3.0200	40.00	95		P
Barium	75-125	2114.3000	29.6600	2000.00	104		P
Beryllium		45.0400	5.0000 1	50.00	90		P
Cadmium	75-125	48.3700	5.0000	50.00	97	İ	P
Calcium							NR
Chromium .	75-125	189.5600	10.0000	J 200.00	95		₽
Cobalt	75-125	464.1900	50.0000 [7	500.00	93		P
Copper	75-125	227.0400	6.5700	250.00	88		P
Iron	75-125	951.1100	145.3100	1000.00	81		P
Lead	75-125	17.0100	10.0000 [J 20.00	85		P
Magnesium							NR
Manganese	75-125	628.8800	157.2100	500.00	94		P
Mercury	75-125	1.1140		1.00	1		CV
'Nickel	75-125	474.7800	40.0000	J 500.00	95		P
Potassium							NR
Selenium	75-125	44.7900		50.00	90		P
Silver	75-125	32.9700	10.0000	J 50.00	66	Ν	
Sodium							NR
Thallium	75-125	53.2500		J 50.00	107		P
Vanadium	75-125	472.7600		J 500.00	į.		Р
Zinc	75-125	522.6600	25.0800	500.00	100		Р
Cyanide	[NR
					1		
	l			_	·	—	

on!	nme	nts	:												
			_		 			<u></u>			 			 	 -
					 	 	 		 	-		 	 	 	 -
				 	 	 		 			 		 		 -

FORM VA-IN

7-IN LABORATORY CONTROL SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

Solid LCS Source:

Aqueous LCS Source: EPA-ICV

Analyte	Aqı True	ieous (ug/ Found	'L) %R	True	Solid Found	(mg/kg C		nits	%R
Aluminum	2482.0	2497.18	101						
Antimony	992.0	979.14	99						
Arsenic	996.0	985.36	99		-				
Barium	502.0	508.87	101						
Beryllium	493.0	484.93	98						
Cadmium	494.0	498.52	101						
Calcium	10180.0	10223.26	100		,			-	
Chromium	490.0	486.47	99						
Cobalt	496.0	487.35	98						
Copper	490.0	475.69	97			1 1			
Iron	5107.0	4621.83	90						
Lead .	996.0	973.86	98						
Magnesium	6003.0	6032.98	100					,	
Manganese	495.0	505.18	102						}
Mercury				·					
Nickel	492.0	496.19	101						
Potassium	10008.0	9659.15	97						
Selenium	1005.0	984.86	98						
Silver	495.0	525.88	106				:		
Sodium	10039.0		101						
Thallium	1027.0	1001.92	98						
Vanadium	501.0	490.85	98						
Zinc	1000.0	1022.22	102						
Cyanide						1 1			1
					•				
	1								
	l	l				l _ l			1

FORM VII-IN '

9-IN METHOD DETECTION LIMITS (ANNUALLY)

ab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No.

SDG No.: ME0044

Instrument Type: P

Instrument ID: P1

Date: 11/26/2003

Preparation Method: HW1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium	308.20 206.80 189.00 493.40 313.00 226.50 317.90 267.70	200 4 10 200 5 5000 10 50	48.6 29.8 2.9 21.3 1.1 1.8 33.4 2.4 1.3
Cobalt Copper Iron Lead Magnesium Manganese Mercury	228.60 324.70 271.40 220.40 279.00 257.60	25 100 10 5000 15 0.2	4.9 35.2 2.7 39.3 1.3
Nickel Potassium Selenium Silver Sodium Thallium Vanadium Zinc	231.60 766.50 196.00 328.00 588.90 190.90 292.40 206.20	5000 5000 35 10 5000 25 50	4.9 595 5.6 4.9 400 11.0 1.6 3.2
Cyanide		3 10	

Co	mm	en	t	s	:

P1: ICP 61E TRACE ANALYZER

FORM IX-IN

9-IN METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No.

SDG No.: ME0044

Instrument Type: CV

Instrument ID: CV

Date: 02/21/2004

Preparation Method: CW1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium Silver Sodium Thallium Vanadium Zinc Cyanide	253.70	200 60 10 200 5 5 5000 10 5000 15 0.2 40 5000 35 10 5000 25 50 60 10	0.020

Comments:

CV: LEEMAN PS200 HG ANALYZER

LEEMAN HG ANALYZER

DATE:	June 29, 200	/ 4			
	P.O. Box 19	Grand Avenue Ea 276 IL 62794-9276	ıst		
Attn:	Bob Casper				
SITE NAME:	US Steel Co	rp. Joliet Works			
CASE NO.	LAB	NO. OF SAM	MPLES	SDG	MATRIX
32934	Compuchem	8		E0098	Water
Upon receipt of below.	of data, please check e	each package for c	ompleteness an	d note any	missing deliverables
Send this form	n back to Sylvia Griffin	, Data Manageme	nt Coordinator	after filling	g in the blanks below.
Data Received	1 by:	Date:			
PROBLEMS:					
Please indicate above.	e if data is complete, a	nd note if there are	e any deliverable	es missing	from the cases noted
Received by I Date:	Data Management Coo	ordinator, CRL fo	or file.		g.
Signature:					
FROM: U.S. Region V Central Regio 536 S. Clark, Chicago, IL	nal Laboratory 10th Floor		OFIVED 0 2 2004 BOL-FSRE	15	
Sent By:	Eva M. Dixon, Sr. I ESAT	1 00000		•	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

DATE:_	·
SUBJECT:	Review of Data Received for Review on June 15, 2004
FROM:	Stephen L. Ostrodka, Chief (SMF-4J) Superfund Field Services Section
TO:	Data User: <u>IEPA</u>
We have reviewed the data t	for the following case:
Site name: <u>US Steel Corp. J</u>	oliet Works (IL)
Case number: <u>32934</u>	SDG Number: <u>E0098</u>
Number and Type of Sample	es: 8 water samples
Sample Numbers: <u>E0098, E</u>	00A1, E00A2, E00A6, E00B7, E00B8, E00C0, E00C3
Laboratory: Compuchem	Hrs. for Review:
Following are our findings:	

CC: Howard Pham Region 5 TPO Mail Code: SM-5J

Page 2 of 6

Case Number: 32934

SDG Number: E0098

Laboratory: Compuchem
Site Name: US Steel Corp. Joliet Works (IL)

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Eight water samples (E0098, E00A1, E00A2, E00A6, E00B7, E00B8, E00C0, E00C3) were collected on 05/24-25/2004 and received on 05/26/2004 in good condition. Sample E00B8 was analyzed only for the list of Volatile analytes. The remaining samples were analyzed for the full list of organic analytes. All samples were analyzed according to CLP SOW OLM04.3.

Reviewed By: Steffanie Tobin (Alion/ESAT)

Page 3 of 6

Laboratory: Compuchem

Site Name: US Steel Corp. Joliet Works (IL)

Case Number: 32934 SDG Number: E0098

1. HOLDING TIME

No problems were found for this qualification.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems were found for this qualification.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Chloroethane, Bromoform E00B8, E00C3, VBLKAH

Acetone

E0098, E0098MSD, E0098MSD, E00A1, E00A2, E00A6, E00B8, E00C0, E00C3, VBLKAH, VBLKHA

2-Butanone

E0098, E0098MS, E0098MSD, E00A1, E00A2, E00A6, E00C0, VBLKHA

The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Benzaldehyde

E0098, E0098MSD, E0098MSD, E00A1, E00A2, E00A6, E00B7, E00C0, E00C3, SBLKNF

The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Benzaldehyde

E0098, E0098MSD, E009A1, E00A2, E00A6, E00B7, E00C0, E00C3, SBLKNF

4. METHOD BLANKS

The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Reviewed By: Steffanie Tobin (Alion/ESAT)

Laboratory: Compuchem

Site Name: US Steel Corp. Joliet Works (IL)

Case Number: 32934 SDG Number: E0098

Methylene Chloride

E0098, E0098MS, E0098MSD, E00A1, E00A2, E00A6, E00B7, E00C0

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No problems were found for this qualification.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limit but equal to or less than 100%. Hits and non-detects for the outlier compounds in the unspiked sample E0098 are not flagged.

E0098MS, E0098MSD 4-Nitrophenol

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limit. Sample results for the outlier compounds in the unspiked sample E0098 are estimated "J" and non-detects are not flagged.

E0098MS Pentachlorophenol

7. FIELD BLANK AND FIELD DUPLICATE

Sample E00B8 was identified as the trip blank and sample E00C3 was identified as field blank. None of the samples were identified as the field duplicates. The results for the trip blank and field blank are summarized in the following table:

Analytes	E00B8 (TB)	E00C3 (FB)
dilution factor =	1.0	1.0
Methylene chloride	3 μg/L	6 μg/L
VOA TICs	ND	2
bis(2-ethylhexyl)phthalate	NA	6 μg/L

Results are not qualified based upon the results of the QC blanks.

8. INTERNAL STANDARDS

Reviewed By: Steffanie Tobin (Alion/ESAT)

Laboratory: Compuchem

Site Name: US Steel Corp. Joliet Works (IL)

Case Number: 32934 SDG Number: E0098

No problems were found for this qualification.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms, it appears that all VOA, SVOA and Pesticide/PCB compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E00B8, E00C3, VBLKHA, VBLKHB Methylene Chloride

E00A6

Carbon Disulfide, Benzene, Methylcyclohexane, Toluene, Ethylbenzene, Isopropylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene

The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E0098MSD, E00A2, E00B7, E00C0, E00C3 bis(2-Ethylhexyl)phthalate

E00A6

Acenaphthene, Fluorene, Anthracene, Fluoranthene, Benzo(a)anthracene, Chrysene, Benzo(a)pyrene

The following pesticide samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E0098MS 4,4-DDD

E00A6

beta-BHC, Heptachlor, Heptachlor epoxide

The following pesticide samples have analytes for which the percent difference between columns results exceeds primary criteria. Hits are qualified "J".

E00A6

beta-BHC, Heptachlor, Heptachlor epoxide

Reviewed By: <u>Steffanie Tobin (Alion/ESAT)</u>
Date: <u>June 29, 2004</u>

Page 6 of 6

Laboratory: Compuchem

Site Name: US Steel Corp. Joliet Works (IL)

Case Number: 32934

SDG Number: E0098

11. SYSTEM PERFORMANCE

The GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

12. ADDITIONAL INFORMATION

The Pentachlorophenol result for SVOA sample E0098MS was quantitated outside the calibration range. No further dilutions were analyzed or qualifications are needed since these samples were used for QC purposes only.

The following semivolatile sample had a semivolatile target analyte reported as a SV Tentatively Identified Compound (TIC). Hits for these compounds in the affected semivolatile sample should be qualified "J" and non-detects flagged "UJ".

2-Methylnaphthalene

Cas No. 91-57-6

E00A6

Not all TIC results were reported for SVOA sample E00A6 on the CADRE TIC report. CADRE did not report any of the TICs whose CAS Numbers corresponded to target analytes. Please, refer to Forms I SV-TIC for the complete list of the TICs detected for SVOA sample E00A6.

Reviewed By: <u>Steffanie Tobin (Alion/ESAT)</u>

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present)
Н	Sample result is estimated and biased high.
·L	Sample result is estimated and biased low.

Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E0098

Sample Type:

∋G No.:

Spike Original

Lab ID: Case No.: LIBRTY

32934 E0098 Location:

G109

Matrix/Level:

Water/Low

File Name:

E0098

CAS No.

Compound Name

LABORATORY ARTIFACT

LABORATORY ARTIFACT

Concentration

(UG/L) Q*

17.86

RT

J 8

19.34

12 J

*Q: Laboratory Qualifier

Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E00A1

Sample Type:

Routine Sample

Lab ID:

LIBRTY

Case No .:

32934

SDG No.: E0098

Location:

G110

Matrix/Level:

Water/Low

File Name:

E0098

CAS No.

Compound Name

RT

Concentration (UG/L)

Q*

*Q: Laboratory Qualifier

Semivolatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E00A1

Sample Type:

Routine Sample

Lab ID: Case No.:

LIBRTY 32934

SDG No.:

E0098

Location:

G110

Matrix/Level: File Name:

E0098

Water/Low

CAS No.

Compound Name

21400259

1-PROPENE, 1,1,2-TRICHLORO-

RT 6.91 Concentration (UG/L)

Q* 6

NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E00A2

Sample Type:

Routine Sample

Lab ID: Case No.: SDG No.: **LIBRTY**

32934

Location:

G110A

E0098

Matrix/Level:

Water/Low

File Name:

E0098

CAS No.

Compound Name

RT

Concentration (UG/L)

14.09

Q*

LABORATORY ARTIFACT

6 J

Q: Laboratory Qualifier

Semivolatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E00A2

Sample Type:

Routine Sample

Lab ID: Case No .:

SDG No.:

LIBRTY

32934

UNKNOWN

Location: Matrix/Level: G110A Water/Low

E0098

File Name:

E0098

CAS No. Compound Name

RT 6.74 (UG/L) Q* 2

Concentration

UNKNOWN AMIDE

21.66

10 J.

*Q: Laboratory Qualifier

Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E00A6

Sample Type:

Routine Sample

Location:

G112

Lab ID:

LIBRTY

Matrix/Level:

Water/Low

Case No.:

32934

SDG No.: E0098 File Name:

E0098

•			Concentration	
CAS No.	Compound Name	RT	(UG/L)	Q*
	BRANCHED ALKANE	15.80	. 6	J
	STRAIGHT-CHAIN ALKANE	17.39	29	J
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	17.51	72	NJ
1587048	BENZENE, 1-METHYL-2-(2-PROPENYL)-	17.65	120	NJ
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	17.88	76	NJ
	UNKNOWN	17.98	110	J
2039896	BENZENE, 2-ETHENYL-1,4-DIMETHYL-	18.14	120	NJ
27133933	2,3-DIHYDRO-1-METHYLINDENE	18.29	240	NJ
	SUBSTITUTED BENZENE	18.45	88	J
	SUBSTITUTED NAPHTHALENE	18.54	170	J
4175535	1H-INDENE, 2,3-DIHYDRO-1,3-DIMETHYL-	18.69	150	NJ
275514	AZULENE	18.91	250	NJ
	SUBSTITUTED BENZENE	18.99	93	J
	CYCLIC ALKANE	19.09	74	J
17059482	1H-INDENE, 2,3-DIHYDRO-1,6-DIMETHYL-	19.19	96	NJ
	CYCLIC ALKANE	19.27	150	J
4175535	1H-INDENE, 2,3-DIHYDRO-1,3-DIMETHYL-	19.40	91	NJ
•	SUBSTITUTED BENZENE	19.41	140	J
	UNKNOWN	19.58	89	J
	UNKNOWN	19.61	100	J
	CYCLIC ALKANE	19.70	89	J
	SUBSTITUTED NAPHTHALENE	19.79	120	J
	UNKNOWN	19.85	92	J
	SUBSTITUTED NAPHTHALENE	19.96	120	J
90120	NAPHTHALENE, 1-METHYL-	20.07	340	NJ
	UNKNOWN	20.22	95	J
90120	NAPHTHALENE, 1-METHYL-	20.32	340	NJ
	UNKNOWN	20.53	150	J
	STRAIGHT-CHAIN ALKANE	20.64	90	J
4175546	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-1,4-DIME	20.90	. 120	NJ
1127760	NAPHTHALENE, 1-ETHYL-	21.28	140	ŊJ
	SUBSTITUTED NAPHTHALENE	21.33	75	J
575371	NAPHTHALENE, 1,7-DIMETHYL-	21.45	200	NJ
581408	NAPHTHALENE, 2,3-DIMETHYL-	21.69	170	NJ
581420	NAPHTHALENE, 2,6-DIMETHYL-	21.75	110	NJ

^{*}Q: Laboratory Qualifier

Semivolatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E00A6

Sample Type:

Routine Sample

Lab ID:

LIBRTY

Case No.: OG No.: 32934 E0098 Location:

G112

Matrix/Level:

Water/Low

File Name:

E0098

1127760 NAPHTHALENE, 1-ETHYL- 13.82 81 NAPHTHALENE, 2,6-DIMETHYL- 581420 NAPHTHALENE, 2,6-DIMETHYL- 13.98 140 NAPHTHALENE, 2,3-DIMETHYL- 581420 NAPHTHALENE, 2,6-DIMETHYL- 14.22 110 NAPHTHALENE, 2,3-DIMETHYL- 581408 NAPHTHALENE, 2,3-DIMETHYL- 14.44 76 NAPHTHALENE, 2,3-DIMETHYL-	AND AND AND AND AND AND AND AND AND AND
581420 NAPHTHALENE, 2,6-DIMETHYL- 13.98 140 14 581408 NAPHTHALENE, 2,3-DIMETHYL- 14.18 180 14 581420 NAPHTHALENE, 2,6-DIMETHYL- 14.22 110 14 581408 NAPHTHALENE, 2,3-DIMETHYL- 14.44 76 14	41D 41 41 41D 41D 41D 41D
581408 NAPHTHALENE, 2,3-DIMETHYL- 14.18 180 N 581420 NAPHTHALENE, 2,6-DIMETHYL- 14.22 110 N 581408 NAPHTHALENE, 2,3-DIMETHYL- 14.44 76 N	41D 41D 41 41D 41D 41D
581420 NAPHTHALENE, 2,6-DIMETHYL- 14.22 110 Naphthalene, 2,3-DIMETHYL- 581408 NAPHTHALENE, 2,3-DIMETHYL- 14.44 76 Naphthalene, 2,3-DIMETHYL-	41D 41D 41 41D 41D
581408 NAPHTHALENE, 2,3-DIMETHYL- 14.44 76 N	AID AID AI AID
· · · · · · · · · · · · · · · · · · ·	41D 41D 41
581408 NAPHTHALENE 2 3-DIMETHYL - 14 63 55 N	AID AID
201 100 1111111111111111111111111111111	4JD
2131422 NAPHTHALENE, 1,4,6-TRIMETHYL- 15.23 66 N	
2131422 NAPHTHALENE, 1,4,6-TRIMETHYL- 15.50 60 N	TTT
2131422 NAPHTHALENE, 1,4,6-TRIMETHYL- 15.56 77 N	۷JD
2131422 NAPHTHALENE, 1,4,6-TRIMETHYL- 15.77 67 N	NJD
2245387 NAPHTHALENE, 1,6,7-TRIMETHYL- 15.97 67 N	۷JD
UNKNOWN 16.39 55 J	
2523377 9H-FLUORENE, 9-METHYL- 16.47 65 N	۷JD
UNKNOWN 16.96 56 J	D
UNKNOWN 17.38 74 J	D
1730376 9H-FLUORENE, 1-METHYL- 17.62 71 M	NJD
16587523 DIBENZOTHIOPHENE, 3-METHYL- 18.93 62 M	۷JD
613127 ANTHRACENE, 2-METHYL- 19.24 150 M	۷JD
779022 ANTHRACENE, 9-METHYL- 19.28 110 M	VJD.
UNKNOWN 19.34 51 J	
613127 ANTHRACENE, 2-METHYL- 19.42 100 M	VJD
779022 ANTHRACENE, 9-METHYL- 19.46 81 M	۷JD
3674666 PHENANTHRENE, 2,5-DIMETHYL- 19.97 77 N	NJD
76676 PHENANTHRENE, 3,6-DIMETHYL- 20.03 76	NJD
3674666 PHENANTHRENE, 2,5-DIMETHYL- 20.16 150 N	۷JD
UNKNOWN 20.20 110 J	D
UNKNOWN 20.29 58 J	D
217594 TRIPHENYLENE 22.39 57 M	NJD
1705857 CHRYSENE, 6-METHYL- 22.95 55 1	4 J

^{*}Q: Laboratory Qualifier

Volatile Sample Analysis Tentatively Identified Compounds

Sample No

Sample Type:

Routine Sample

Lab ID:

LIBRTY

Case No.: SDG No.:

32934

E0098

Sample No.:

Location:

G108

E00B7

Matrix/Level:

Water/Low

File Name:

E0098

CAS No.

Compound Name

LABORATORY ARTIFACT

RT

18.98

(UG/L) Q* 74 JB

Concentration

^{*}Q: Laboratory Qualifier

Semivolatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E00B7

Sample Type: Lab ID:

Routine Sample

LIBRTY

Case No .: SDG No.: 32934 E0098

Location:

G108

Matrix/Level:

Water/Low

File Name:

E0098

CAS No.

Compound Name UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN ALCOHOL

Concentration RT (UG/L)

Q* 3 J 20.62 2 J 21.65 3 21.68 . J 7 21.92 J

23.11

*Q. Laboratory Qualifier

Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E00B8

Sample Type:

Field Blank

Lab ID:

LIBRTY

Case No.: SDG No.: 32934 E0098

Location:

TΒ

Matrix/Level:

Water/Low

File Name:

E0098

Concentration

CAS No.

Compound Name

RT

(UG/L)

Q*

*Q: Laboratory Qualifier

Volatile Sample Analysis

Tentatively Identified Compounds

Sample No.:

E00C0

Sample Type:

Routine Sample

Lab ID:

LIBRTY 32934

Case No .: SDG No.:

E0098

Location:

G111

Matrix/Level:

Water/Low

File Name:

E0098

RT

CAS No.

Compound Name

Concentration (UG/L)

Q*

*Q: Laboratory Qualifier

Semivolatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E00C0

Sample Type:

Routine Sample

Lab ID:

CAS No.

LIBRTY 32934

UNKNOWN

Case No.: SDG No.:

E0098

Location:

G111

Matrix/Level:

Water/Low

File Name:

E0098

Compound Name

Concentration

RT23.63 (UG/L)

Q*

*Q: Laboratory Qualifier

Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E00C3

Sample Type:

Field Blank

Lab ID: ≘≪e No.:

∄ No.:

LIBRTY

Location:

FB

32934 E0098

Matrix/Level:

Water/Low

File Name:

E0098

CAS No.

Compound Name

LABORATORY ARTIFACT LABORATORY ARTIFACT

RT18.85 (UG/L) Q*

Concentration

20.66

18 J 21 J

*O: Laboratory Qualifier

Semivolatile Sample Analysis

Tentatively Identified Compounds

Sample No.:

E00C3

Sample Type:

Field Blank

Lab ID: Case No .: SDG No.: LIBRTY 32934 E0098

Location: Matrix/Level: FB Water/Low

File Name:

E0098

CAS No.

Compound Name

RT

Concentration (UG/L)

Q*

*Q: Laboratory Qualifier

Semivolatile Sample Analysis

Tentatively Identified Compounds Sample No.:

SBLKNF

nple Type: ےab ID:

Method Blank LIBRTY

32934

Case No .: E0098 SDG No.:

Location: Matrix/Level:

RT

6.91

23.63

Water/Low

File Name:

E0098

CAS No.

Compound Name

UNKNOWN

UNKNOWN AMIDE

Concentration

(UG/L)

3 J

Q*

5 J

*Q: Laboratory Qualifier

Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

VBLKAH

Sample Type:

Method Blank

Lab ID: Case No.: LIBRTY

32934

Location: Matrix/Level:

Water/Low

SDG No.:

E0098

Compound Name

E0098

CAS No.

LABORATORY ARTIFACT

BRANCHED ALKANE STRAIGHT-CHAIN ALKANE

LABORATORY ARTIFACT

File Name:

*Q: Laboratory Qualifier

UNKNOWN UNKNOWN

LABORATORY ARTIFACT

RT17.52

> 18.02 18.04 19 18.05 18.14 11

Concentration

(UG/L)

Į

J

J

18.98 17 20.78 14

Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

VBLKHA

Sample Type:

Method Blank

Lab ID: Case No .:

SDG No.:

LIBRTY

32934

E0098

Location:

Matrix/Level:

Water/Low

File Name:

E0098

		(concentration	
CAS No.	Compound Name	RT	(UG/L)	Q*
541059	CYCLOTRISILOXANE, HEXAMETHYL-	14.05	6	NJ
•	LABORATORY ARTIFACT	18.96	19	J
	LABORATORY ARTIFACT	20.79	23	J

^{*}Q: Laboratory Qualifier

Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

VBLKHB

Sample Type:

Method Blank

Lab ID: SDG No.: LIBRTY

Case No .:

E0098

32934

Location:

Matrix/Level:

Water/Low

File Name:

E0098

CAS No.

Compound Name

LABORATORY ARTIFACT LABORATORY ARTIFACT LABORATORY ARTIFACT

Concentration RT(UG/L) Q* 17.46 J 6 18.92 13 J 9 20.72 J

Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

VHBLKXD

Sample Type:

Storage Blank

Lab ID:

LIBRTY

Case No.: SDG No.:

32934

E0098

Location:

Matrix/Level:

Water/Low

File Name:

E0098

Concentration

CAS No.

Compound Name

RT

(UG/L)

Q*

^{*}Q: Laboratory Qualifier

^{*}Q: Laboratory Qualifier

SDG: E0098

Site:

U.S. STEEL CORP JOLIET WORKS

Lab.:

COMPUCHEM

Reviewer :

S. Tobin 06-28-2004 Number of Soil Samples: 0

<u></u>										
Sample Number :	E00A1		E00A2		E00A6		E00B7		E00B8	
Sampling Location :	G110		G110A		G112		G108		ТВ	-
Matrix :	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/24/2004		5/24/2004		5/24/2004		5/25/2004		5/25/2004	
Time Sampled :	15:55		15:55		18:35		10:05		11:55	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH:										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	U	10	U	10	U	10	U	10	บ
CHLOROMETHANE	10	U	10	U	10	υ	10	U	10	U

рн:			•							
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
VINYL CHLORIDE	10	U	10	U	10	U	10	U	10	υ
BROMOMETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROETHANE	10	U	10	υ	10	ט	10	ប	10	υJ
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHENE	10	U	10	u	10	υ	10	U	10	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	U	10	U	10	U	· 10	U
ACETONE	10	บม	10	บม	10	UJ	10	U	10	υJ
CARBON DISULFIDE	10	U	. 10	U.	0.7	J	10	υ	10	U
METHYL ACETATE	10	Ü	10	U	10	Ŭ	10	υ	10	Ü
METHYLENE CHLORIDE	10	U	10	U	10	U	10	U	3	J
TRANS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	Ù	10	ŭ
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHANE	10	U	10	υ	10	U	10	υ	10	U
NS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
-BUTANONE	10	UJ	10	UJ	10	UJ	10	U	10	U
CHLOROFORM	10	U	10	U	10	U	10	U	10	U. T. A. MARKE
1,1,1-TRICHLOROETHANE	10	Ü	10	υ	10	U-	10	U	10	υ
CYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	Ü	10	U
BENZENE	10	U	10	U	4	J	10	U	10	U
1,2-DICHLOROETHANE	10	U 💮	10	U	10	U 💮	10	Ú.	10	آ ن ا
TRICHLOROETHENE	10	U	10	U	10	U	10	U	10	i Faaasa. U
METHYLCYCLOHEXANE	10	U 🛴	10	U	4. 1	J	10	ບໍ່	10	U.
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHANE	10	U	10	υ	10	U	* 10	U.	10	Ü
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	10	ับ	10	Ü	10	u 📜	10	Ū	10	U See
TOLUENE	10	U	10	U	0.9	J	10	U	10	U U
TRANS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	ะบั 🥍 🖰	10	ii i
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U.
TETRACHLOROETHENE	10	υ	10	U	10	U	10	Ú	10	П

Case #: 32934

SDG: E0098

Site:

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : COMPUCHEM

Date:

S. Tobin

06-28-2004

Number of Soil Samples: 0

Sample Number :	E00A1		E00A2		E00A6		E00B7		E00B8		1
Sampling Location :	G110		G110A		G112		G108		ТВ		l
Matrix :	Water		Water		Water		Water		Water		l
Units:	ug/L		ug/L		ug/L		ug/L		ug/L		١.
Date Sampled :	5/24/2004		5/24/2004		5/24/2004		5/25/2004		5/25/2004		l
Time Sampled :	15:55		15:55		18:35		10:05		11:55		l
%Moisture :	N/A		N/A		N/A		N/A		N/A		l
pH:											İ
Dilution Factor :	1.0		1.0		1.0		1.0		1.0		1
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	1
2-HEXANONE	10	U	10	U	10	U,	10	น	10	U	l
DIBROMOCHLOROMETHANE	10	U	10	U	10	U	10	U	10	U	
1,2-DIBROMOETHANE	10	U -	10	U .	10	U	10	U -	10	U	l
CHLOROBENZENE	10	U	10	U	10	U	10	U	10	U	
ETHYLBENZENE	10	U.	10	U		J	10	U	10	U	1
XYLENES (TOTAL)	10	U	10	U '	10	Market State Control	10	U	10	U	
STYRENE	10	U	-10	U	10	U	10	U .	10	u .	l
BROMOFORM	10	U	10	U	10	U	10	U	10	UJ	
ISOPROPYLBENZENE	10	U	10	U	2	j	10	U	- 10	U	
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U	10	U	
1,3-DICHLOROBENZENE	10	U	10	U	0.2	J	10	u .	10	U	ı
1,4-DICHLOROBENZENE	10	U	10	U	0.2	J	10	U	10	U	
1,2-DICHLOROBENZENE	10	u .	10	U	0,3	J	10	U	.10	Ü	1
1,2-DIBROMO-3-CHLOROPROPANE	10	U	10	U	10	U	10	U	10	U .	1
1.2.4-TRICHLOROBENZENE	10	l iii	10	11	10	l ii	10	115	10	ir.	1

SDG: E0098

Site: Lab. : U.S. STEEL CORP JOLIET WORKS

COMPUCHEM

Reviewer: Date:

S. Tobin

06-28-2004

Number of Soil Samples: 0

Sample Number :	E00C0		E00C3		E0098		E0098MS		E0098MSD	
Sampling Location :	G111		FВ		G109		G109		G109	
Matrix :	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/25/2004		5/25/2004		5/24/2004		5/24/2004		5/24/2004	
Time Sampled :	12:25		15:30		13:45		13:45		13:45	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH:							·			
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	U	10	U	10	Ü	10	U	10	U
CHLOROMETHANE	. 10	U	10	U	10	U	10	U	10	U
VINYL CHLORIDE	10	U .	10	U	10	U	10	U	10	U
BROMOMETHANE	10	U	10	U	10	υ	10	U	10	U
CHLOROETHANE	10	U	10	บม	10	υ	10	U	10	U
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHENE	10	U	10	U	10	U	44		47	
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	U	10	U	10	U	10	U
ACETONE	10	UJ	10	บม	10	UJ	10	บม	10	UJ
CARBON DISULFIDE	10	U	10	U	10	U	10	U	10	U
METHYL ACETATE	10	ט	10	U	10	U	10	U	10	U
METHYLENE CHLORIDE	10	U	6	J	10	υ	10	U	10	U
TRANS-1,2-DICHLOROETHENE	10	Ü	10	Ú	10	U	10	U	10	U
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHANE	10	Ü	10	U	10	U	10	U	10	υ
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
-BUTANONE	10	UJ	10	บ	10	เกา	10	UJ	10	เม
CHLOROFORM	10	U	10	U	10	U	10	U	10	U
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	υ	10	U
CYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
CARBON TETRACHLORIDE	10	U	10	U	10	Ü	. 10	บ	10	U
BENZENE	10	U	10	U	10	U	49	20.000	50	
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TRICHLOROETHENE	10	U	10	U	10	U	48	a recent to the end of	48	
METHYLCYCLOHEXANE	10	U	10	U	10	U	10	Ú	10	U
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHANE	10	U	10	U	10	U	10	U	10	U.
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	10	U	. 10	U	10	U	10	U	. 10	U.
TOLUENE	10	U Makabatan	10	U .o. imenist	10	U Translation	48	ris con vijakova se se	47	
TRANS-1,3-DICHLOROPROPENE	10	U	10	U	10	Ú	10	U	10	U
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TETRACHLOROETHENE	10	U	10	U	10	U	10	U .	10	U

Case #: 32934

SDG: E0098

Site :

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : COMPUCHEM

Date :

S. Tobin 06-28-2004 Number of Soil Samples: 0

Sample Number :	E00C0		E00C3		E0098		E0098MS		E0098MSD	
Sampling Location :	G111		FB		G109		G109		G109	
Matrix :	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/25/2004		5/25/2004		5/24/2004		5/24/2004		5/24/2004	
Time Sampled :	12:25		15:30		13:45		13:45		13:45	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH:										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag

Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	Ų	10	บ	10	U
DIBROMOCHLOROMETHANE	10	U	10	U	10	U.	10	U	10	U
1,2-DIBROMOETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROBENZENE	10	U	10	U	. 10	U	48		. 49	
ETHYLBENZENE	10	U	10	U	10	υ	10	U.	10	U
XYLENES (TOTAL)	10	U	10	U	10	U	10	U	10	U
STYRENE	10	U	10	U	10	U	10	Ü	10	U
BROMOFORM	·10	U	10	บม	10	U	10	U	10	U
ISOPROPYLBENZENE	10	U	10	U	10	U	10	U	10	U
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U,	10	U
1,3-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	υ
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	บ
1,2-DIBROMO-3-CHLOROPROPANE	10	U	10	υ	10	U	10	U	10	U
1,2,4-TRICHLOROBENZENE	10	ប	10	ט	10	U	10	U	10	U

Case #: 32934

SDG: E0098

U.S. STEEL CORP JOLIET WORKS

Lab. :

Site:

COMPUCHEM

S. Tobin

Reviewer:

06-28-2004

Number of Soil Samples: 0

Sample Number:	VBLKAH		VBLKHA		VBLKHB	1	VHBLKXD			
Sampling Location :										1
Matrix:	Water		Water		Water ·		Water			
Units:	ug/L		ug/L		ug/L		ug/L			
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A			Ì
pH:										1
Dilution Factor :	1.0		1.0		1.0		1.0		Desuit	Flag
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	a decinostra parameta para .	U	10	U	10	U	10 10	U		Stat JA -
CHLOROMETHANE	The second of the second of the second	U MARKES	10	U	10	U	10	Ü		
VINYL CHLORIDE	The transfer and the contract of the contract	U	10	U.	10	U	10	U		1440,000,000,000
BROMOMETHANE	a professional descriptions of	U	10	U	10	บ บ	10	u .		
CHLOROETHANE	10	UJ.	10	U	10 10	ບ	10	U		
TRICHLOROFLUOROMETHANE	10	U	10	U	10	ŭ	10	ا تا ا		
1,1-DICHLOROETHENE	10	U ·	10	U U	10	U	10	U		0074000000
1,1,2-TRICHLORO-1,2,2-TRIFLUORO		U	10	-4-286,7530 CN09660	10	u	10	Ü		
ACETONE	10	UJ	10	บา	10	U	10	U		City Stronger
CARBON DISULFIDE	10	U	10	U	10	Ü	10	lυ		2000
METHYLACETATE	10	Ü	10	J	4	1	10	U		460703-60700
METHYLENE CHLORIDE	10	U	5 10	U	10	Ü	10	ט		STAYE CATE
TRANS-1,2-DICHLOROETHENE	10	U.	10	U	10	U	10	U		5.5.2000.142
METHYL TERT-BUTYL ETHER	10	U	10	Ü	10	ا ن	10	lū	1576 Y. J. S. A.	Sagelië.
1,1-DICHLOROETHANE	10	U U	10	U	10	U	10	U	2 DS 15 CR 0 - 22 CR 2 A CR 2	(a. 5 : 9 : 15 (a. 6) 184 (a. 7) 1
S-1,2-DICHLOROETHENE	10	บ	10	UJ	10	u	10	U		
BUTANONE CHLOROFORM	10	U	10	U	10	U	10	U	The Company of the Company of the Company	
1,1,1-TRICHLOROETHANE	10	Ü	10	ĺυ	10	U	10	U		
CYCLOHEXANE	10	U	10	U	10	U	10	U.		
CARBON TETRACHLORIDE	2 10	U	10	lυ	10	Ų	10	U		
BENZENE	10	U	10	U	10	U	10	U		ut meet schools
1,2-DICHLOROETHANE	10	บ	10	U	10	U	10	Uυ		
TRICHLOROETHENE	10	U	10	U	10	U	10	U		5 0.4 9 8/33 \$ -
METHYLCYCLOHEXANE	10	U	10	U	10	U	10	U .		
1.2-DICHLOROPROPANE	10	U	10	U	10	υ	10	U	dali a a dalika a dalika bersa	5 - Kapansia
BROMODICHLOROMETHANE	10	U	10	U	10	U	10	by the second		
CIS-1,3-DICHLOROPROPENE	10	U	10		10	31/2015/09	10	1 20 00 20 00		
4-METHYL-2-PENTANONE	10	Ü	10	U	10			177 177 177 177		
TOLUENE	10	U	10	¥ .	10	1.0014 (0.440)	10	are a summary to	e olawone e olomb	a Proposition
TRANS-1,3-DICHLOROPROPENE	10	Ú	10		10	119,575,2	10			
1,1,2-TRICHLOROETHANE	10	U	10	200.00	10	C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10	 Problem, 2008 		no estre insyltic
TETRACHLOROETHENE	10	U	10	U	10	U	10	ט (1

Case #: 32934

SDG: E0098

U.S. STEEL CORP JOLIET WORKS

Lab.: Reviewer: COMPUCHEM S. Tobin

Date:

Site:

06-28-2004

Number of Soil Samples: 0 Number of Water Samples: 8

Sample Number :	VBLKAH		VBLKHA		VBLKHB		VHBLKXD			
Sampling Location :	•									
Matrix:	Water		Water		Water		Water			
Units:	ug/L		ug/L		ug/L		ug/L			
Date Sampled :					ŀ					
Time Sampled :	į		•			!				
%Moisture :	N/A		N/A		N/A		N/A			
pH:										
Dilution Factor :	1.0		1.0		1.0		1.0			C 1
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	U	10	00004448888888	a succession of the succession	
DIBROMOCHLOROMETHANE	. 10	U	10	U	10	U	10	U		
1,2-DIBROMOETHANE	10	U	10	U	10	U	10	U		Section Control of
CHLOROBENZENE	10	U	10	U	10	U	10	U		
ETHYLBENZENE	10	U	. 10	U	10	U	10	U		o constant
XYLENES (TOTAL)	10	U	10	U	10	U	10	U		
STYRENE	10	U	10	U	- 10	U	10	U.		SALSC (AU
BROMOFORM	10	UJ	10	U	10	U	10	U		
ISOPROPYLBENZENE	10	U	10	Ŭ.	10	U	10	U	100000000000000000000000000000000000000	
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U		
1,3-DICHLOROBENZENE	10	U	10	Ü	10	U	. 10	U		
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U		12 Park 2007 12 12 12 12 12 12 12 12 12 12 12 12 12
1,2-DICHLOROBENZENE	10	U	10	u .	10	U	10	U		
1,2-DIBROMO-3-CHLOROPROPANE	10	U	10	U	10	U	10	U		programa.
1,2,4-TRICHLOROBENZENE	10	U	10	U	10	ับ	10	U	Secretary and a	SUPPRINCES.

SDG: E0098

U.S. STEEL CORP JOLIET WORKS COMPUCHEM

Lab.: Reviewer:

Matrix: Units:

Sample Number : Sampling Location: S. Tobin

Date:

Site:

06-28-2004

Number of Soil Samples: 0

E00A1	E00A2	E00A6	E00B7	E00C0
G110	G110A	G112	G108	G111
Water	Water	Water	Water	Water
ug/L	ug/L	ug/L	ug/L	ug/L
5/24/2004	FIDAIDODA	E12412004	FIDEIDODA	E 10 E 10 0 0 4

Date Sampled : 5/24/2004 5/24/2004 5/24/2004 Time Sampled : 15:55 15:55 18:35 %Moisture : N/A N/A N/A pH : Dilution Factor : 1.0 1.0 5.0 Semivolatile Compound Result Flag Result Flag Result	Flag 50 U1	5/25/2004 10:05 N/A 1.0		5/25/2004 12:25 N/A	
%Moisture : N/A N/A N/A pH : . . .0 5.0 Dilution Factor : 1.0 1.0 5.0		N/A 1.0		N/A	
pH: Dilution Factor: 1.0 1.0 5.0		1.0			
Dilution Factor : 1.0 1.0 5.0				4.0	
				4.0	
Semivolatile Compound Result Flag Result Flag Result		Popult		1.0	
	50 111	Nesuit	Flag	Result	Flag
BENZALDEHYDE 10 UJ 10 UJ :	99 99	10	UJ	10	UJ
PHENOL 10 U 10 U	50 U	10	υ	10	U
BIS-(2-CHLOROETHYL)ETHER 10 U 10 U	50 U	10	U	10	ט
2-CHLOROPHENOL 10 U 10 U	50 U	10	υ	10	υ
2-METHYLPHENOL 10 U 10 U !	50 U	10	U	10	Ü
2,2'-OXYBIS(1- CHLOROPROPANE) 10 U 10 U	50 U	10	υ	10	U
ACETOPHENONE 10 U 10 U	50 U	10	U	10	ບ
	50 U	10	U	. 10	U
N-NITROSO-DI-N PROPYLAMINE 10 U 10 U	50 U	10	U	10	υ
HEXACHLOROETHANE 10 U 10 U	50 U	, 10	U	10	U
NITROBENZENE 10 U 10 U	50 U	10	υ	10	υ
ISOPHORONE 10 U 10 U	50 U	10	U	10	U
2-NITROPHENOL 10 U 10 U :	50 U	10	Ü	10	Ü
2,4-DIMETHYLPHENOL 10 U 10 U	50 U	10	U	10	U
BIS(2-CHLOROETHOXY)METHANE 10 U 10 U	50 U	10	U	10	U
2,4-DICHLOROPHENOL 10 U 10 U	50 U	10	U	10	U
IAPHTHALENE 10 U 10 U 1	10	10	υ	10	U
4-CHLOROANILINE 10 U 10 U	50 U	10	U	10	U
HEXACHLOROBUTADIENE 10 U 10 U	50 U	10	U	10	U
CAPROLACTAM 10 U 10 U	50 U	10	U	10	U
4-CHLORO-3-METHYLPHENOL 10 U 10 U	50 U	10	υ	10	U
2-METHYLNAPHTHALENE 10 U 10 U 20	30 J	10	U	10	U
HEXACHLOROCYCLO-PENTADIEN 10 U 10 U	50 U	10	U 💮	10	U
2,4,6-TRICHLOROPHENOL 10 U 10 U	50 U	10	U	10	U
2,4,5-TRICHLOROPHENOL 25 U 25 U 13	30 U	25	U	25	បៈា
1,1'-BIPHENYL 10 U 10 U	50 U	10	U	10	U
2-CHLORONAPHTHALENE 10 U 10 U	50 U	10	U	10	U
2-NITROANILINE 25 U 25 U 13	30 U	25	U	25	υ
DIMETHYLPHTHALATE 10 U 10 U	50 U	10	U	10	U
2,6-DINITROTOLUENE 10 U 10 U	50 U	10	U	10	U
ACENAPHTHYLENE 10 U 10 U	50 U	10	U	10	U.
3-NITROANILINE 25 U 25 U 13	30 U	25	U	25	U
"全部生物的企业也是1000年,1012年的,从中国国际中国国际的企业,1000年,1000年的1000年的,1012年的,1012年,1012年的1012年的,1012年,1012年,1012年,1012年,1012年	24 J	10	Ū	10	u

SDG: E0098

U.S. STEEL CORP JOLIET WORKS

COMPUCHEM

Reviewer: Date:

Site:

Lab.:

S. Tobin

06-28-2004

Number of Soil Samples: 0

Sample Number :	E00A1		E00A2		E00A6	<u>_</u>	E00B7	•	E00C0	***************************************
Sampling Location :	G110		G110A		G112		G108		G111	
Matrix :	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/24/2004		5/24/2004		5/24/2004		5/25/2004		5/25/2004	
Time Sampled :	15:55		15:55		18:35		10:05		12:25	
%Moisture:	N/A		N/A		N/A		N/A		N/A	
pH:										
Dilution Factor :	1.0		1.0		5.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	25	บ	25	U	130	U	25	U ···	25	U
4-NITROPHENOL	25	U	25	U	130	U	25	U	25	U
DIBENZOFURAN	10	יט	10	บ	50	บ	10	U	10	U
2,4-DINITROTOLUENE	10	U	10	U	50	υ	10	U	10	U
DIETHYLPHTHALATE	10	U	10	U	50	U	. 10	U	10	u.
FLUORENE	10	U	- 10	U	40	j	10	U	10	U
4-CHLOROPHENYL-PHENYL ETHER	10	U	10	U	50	U	10	U	10	U
4-NITROANILINE	25	U	25	U	130	U	25	U	25	Ü
4,6-DINITRO-2-METHYLPHENOL	25	U	25	U	130	U	25	Ü	25	Ú/
N-NITROSO DIPHENYLAMINE	10 [°]	Ü	10	U	50	U	10	U	10	U
4-BROMOPHENYL-PHENYLETHER	10	ט	10	Ü	50	U	10	Ü	10	U
HEXACHLOROBENZENE	10	U	10	U	. 50	U	10	U	10	U
ATRAZINE	10	U	10	U	50	υ	10	υ	10	U
PENTACHLOROPHENOL	25	U	25	U	130	U	25	U	25	U
PHENANTHRENE	10	υ	10	ו	130		10	U	10	U
ANTHRACENE	10	U	10	U	22	J	10	υ	10	U
CARBAZOLE	10	U	10	U	50	ט	10	υ	1.0	U
DI-N-BUTYLPHTHALATE	10	U	10	U	50	U	10	U	10	U
FLUORANTHENE	10	U	10	υ	16	J	10	U	10	U ·
PYRENE	10	U	10	U	66		10	U	10	U
BUTYLBENZYLPHTHALATE	10	ับ	. 10	บ	50	U	10	υ	10	U
3,3'-DICHLOROBENZIDINE	10	U	10	U	50	U	10	U	10	υ
BENZO(A)ANTHRACENE	10	U	10	U	25	J	10	U	10	U
CHRYSENE	10	U	10	U	39	J	10	U	10	U
BIS(2-ETHYLHEXYL)PHTHALATE	10		8	J	50	U	. 5	J	3	J .
DI-N-OCTYLPHTHALATE	10	U	10	U	50	U	10	U	10	U
BENZO(B)FLUORANTHENE	10	U	10	U	50	U	10	Ŭ.	10	U
BENZO(K)FLUORANTHENE	10	U	10	U	50	U	10	U	10	U
BENZO(A)PYRENE	10	U	10	U	, 15	J	10	U	10	U
INDENO(1,2,3-CD)-PYRENE	10	U	10	U	50	U	10	U	10	U
DIBENZO(A,H)-ANTHRACENE	10	U	10	U	50	U	10	υ	10	U
BENZO(G,H,I)PERYLENE	10	U	10	U	50	U	10	υ	10	U

SDG: E0098

Site :

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : COMPUCHEM S. Tobin

Date:

06-28-2004

Number of Soil Samples: 0

Sample Number :	E00C3		E0098		E0098MS		E0098MSD		SBLKNF	
Sampling Location :	FB		G109	. 1	G109		G109		ŀ	
Matrix :	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/25/2004		5/24/2004		5/24/2004		5/24/2004			
Time Sampled :	15:30		13:45		13:45		13:45			
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH:					•		ļ			
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag

pH:					l					
Dilution Factor:	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZÄLDEHYDE	10	บง	10	່ປາ .	10	UJ	10	บม	10	บม
PHENOL	10	υ	10	U	60		55		10	U
BIS-(2-CHLOROETHYL)ETHER	10	Ü	10	U	10	U	10	υ		U
2-CHLOROPHENOL	10	U	10	U	60		55	2	10	lυ
2-METHYLPHENOL	10	U	10	U	10	U	10	U	10	U
2,2'-OXYBIS(1- CHLOROPROPANE)	10	U	10	U	10	U	10	U	10	U
ACETOPHENONE	10	υ	10	U	10	U	10	U.	10	U
4-METHYLPHENOL	10	U	10	U	10	U	10	U	10	U
N-NITROSO-DI-N PROPYLAMINE	10	U	10	U	49		45		10.	υ
HEXACHLOROETHANE	10	U	. 10	U	10	U	10	U	10	U
NITROBENZENE	10	U	10	ับ	10	U	10	Ù	10	U
ISOPHORONE	10	U	10	U	. 10	U	10	U	10	U
2-NITROPHENOL	10	U	10	บ	10	U	10	U	10	U
2,4-DIMETHYLPHENOL	10	U	10	U	10	U	10	U	10	U
BIS(2-CHLOROETHOXY)METHANE	10	U	f0	U	10	Ü	-10	ט	10	Ü.
2,4-DICHLOROPHENOL	10	U	10	U	10	U	10	υ	10	U
APHTHALENE		υ	10	U	10	U ,	10	ט	10	u
4-CHLOROANILINE	10	U	10	U	10	U	10	U	10	U
HEXACHLOROBUTADIENE	10	U	10	Ü	10	U	10	ט	10	υ
CAPROLACTAM	10	U	10	U	10	U	10	U	10	U
4-CHLORO-3-METHYLPHENOL	10	U	10	U	69		58		10	U
2-METHYLNAPHTHALENE	10	U	10	U	10	U	10	U	10	U
HEXACHLOROCYCLO-PENTADIEN	10	υ	10	U	10	ט	10	Ü	10	U
2,4,6-TRICHLOROPHENOL	10	U	. 10	U	10	U	10	U	10	U
2,4,5-TRICHLOROPHENOL	25	ប	25	U	25	U ,	25	U.	25	υ
1,1'-BIPHENYL	10	U	10	U	10	U	10	U	10	U
2-CHLORONAPHTHALENE	10	U	10	u	10	Ú 😘	10	U	10	υ
2-NITROANILINE	25	U	25	U	25	υ	25	U	25	U
DIMETHYLPHTHALATE	-10	U	10	υ	10	υ	10	U	10	υ
2,6-DINITROTOLUENE	10	U	10	U	10	U	10	U	10	U
ACENAPHTHYLENE	10	U	10	U	10	U	10	U S	10	U
3-NITROANILINE	25	U	25	U	25	U	25	U	25	U
ACENAPHTHENE	10	υ	10	U	51		42		10	Ū

			0			
	•					
					•	
					•	
				•		
						•
				*		
					(x,y) = (x,y) + (x,y) = (x,y)	
		•				
				•		
·						
						•
						• •
	:					
	.*			•		
•					•	
				•		
	0					*
•						•

10 U

10 Ħ

10 U

10 U

10

10 U

10 U

10 U

10 U

10 U

10 U

10 U

10 U

10 U

10 U

10

U 10

Ù 10

Case #: 32934

SDG: E0098

U.S. STEEL CORP JOLIET WORKS

Lab.:

Reviewer:

ANTHRACENE

ARBAZOLE

PYRENE

CHRYSENE

DI-N-BUTYLPHTHALATE

FLUORANTHENE

BUTYLBENZYLPHTHALATE

3,3'-DICHLOROBENZIDINE

BENZO(A)ANTHRACENE

DI-N-OCTYLPHTHALATE

BENZO(B)FLUORANTHENE

BENZO(K)FLUORANTHENE

INDENO(1,2,3-CD)-PYRENE

BENZO(G,H,I)PERYLENE

DIBENZO(A,H)-ANTHRACENE

BENZO(A)PYRENE

BIS(2-ETHYLHEXYL)PHTHALATE

Site:

S. Tobin

COMPUCHEM

10 U

10 U

10 U

10 U

10 U

10 U

10 U

10 U

10 U

6 J

10 U

10 U

10 11

10 U

10 U

10 υ

10

U 10

Number of Soil Samples: 0 Number of Water Samples: 8

Date: 06-28-2004 Sample Number: E0098 E00C3 E0098MS E0098MSD SBLKNF FΒ Sampling Location: G109 G109 G109 Matrix: Water Water Water Water Water Units: ug/L ug/L ug/L ug/L ug/L Date Sampled: 5/25/2004 5/24/2004 5/24/2004 5/24/2004 Time Sampled: 15:30 13:45 13:45 13:45 %Moisture: N/A N/A N/A N/A N/A pH: Dilution Factor: 1.0 1.0 1.0 1.0 Semivolatile Compound Result Flag Flag Result Flag Result Result Flag Result Flag 2,4-DINITROPHENOL 25 U 25 U. 25 U -25 U 25 U 4-NITROPHENOL 25 U 25 IJ 75 67 25 U DIBENZOFURAN 10 U 10 U 10 10 U 10 U 2,4-DINITROTOLUENE 10 U 10 U 48 43 10 U DIETHYLPHTHALATE 10 U 10 U 10 U 10 U 10 U **FLUORENE** 10 U 10 U 10 H 10 U 10 U 4-CHLOROPHENYL-PHENYL ETHER 10 U 10 U 10 U 10 U 10 U 4-NITROANILINE 25 U 25 U 25 25 П 25 U 4,6-DINITRO-2-METHYLPHENOL 25 U 25 U 25 U 25 U 25 U N-NITROSO DIPHENYLAMINE 10 U U 10 10 U 10 U 10 13 4-BROMOPHENYL-PHENYLETHER 10 U 10 U 10 U 10 Ų 10 U HEXACHLOROBENZENE 10 U 10 U 10 10 U 10 U ATRAZINE 10 U. 10 U 10 U U 10 10 U PENTACHLOROPHENOL 25 U 25 U 81 68 25 U PHENANTHRENE

U 10

U 10

10 U

10 U

10 U

10 U

10 U

10 U

10 U

10 U

10 U

10

10 'n

10 U

10 U

10 П

10 U

10

10 U

10 U

10 U

10 U

10 Ù

44

10 U

10

10 U

10

10 U

10 11

10 U

10 U

10 U

10 U

10 U

10 Ħ 10

10 U

10 U

10

10 U

35

10 U

10 U

10 U

10 U

7

10 U

10 U

10 U

10 U

10 U

10 U

10

Analytical Results (Qualified Data)

Case #: 32934

U.S. STEEL CORP JOLIET WORKS

Lab.: Reviewer: COMPUCHEM S. Tobin

Date:

Site:

SDG: E0098

Number of Soil Samples: 0 Number of Water Samples: 8

06-28-2004 E00A2

	E00A1		E00A2		E00A6		E00B7		E00C0	
Sample Number :	G110		G110A	- 1	·G112		G108	I	G111	
Sampling Location :	Water		Water		Water	,	Water		Water	
Matrix:		1	ug/L		ug/L		ug/L		ug/L	
Units:	ug/L		5/24/2004	1	5/24/2004		5/25/2004		5/25/2004	
Date Sampled :	5/24/2004		15:55	ŀ	18:35		10:05	l	12:25	
Time Sampled :	15:55		N/A		N/A		N/A	1	N/A	
%Moisture :	N/A		N/A		11/2		, , , ,			
pH:					1.0		1.0		1.0	
Dilution Factor :	1.0		1.0	Flag	Result	Flag	Result	Flag	Result	Flag
Pesticide/PCB Compound	Result	Flag	Result 0.050	U	0.050	U	0.050	U	0.050	U.
ALPHA-BHC	0,050	U	NAME AND ASSESSMENT OF THE PARTY OF THE PART	CONTRACTOR	0.021	J	0.050	U	0,050	U
BETA-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0,050	U
DELTA-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
GAMMA-BHC (LINDANE)	0.050	U	0.050	U	LANCE AND RESIDENCE STREET	J	0.050	Ū	0.050	υ
HEPTACHLOR	0.050	U	0.050	U	0.018	ا	0.050	U	0.050	U
ALDRIN	0.050	U	0.050	U	0.050	j	0.050	บ	0.050	υ
HEPTACHLOR EPOXIDE	0.050	ט	0.050	U	0.019	- 3-6:00 40002-00000000000	0.050	U	0.050	U
ENDOSU1FAN I	0.050	U	0.050	U	0.050	U	0.050	U	0.10	ŭ.
DIELDRIN	0.10	U	0.10	U	0,10	U	States of the second second	U	0.10	U
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.10	THE STREET	0.10	U
ENDRIN	0.10	U	0.10	ט	0,10	ט	0.10	U	0.10	U
ENDOSULFAN II	0.10	U	0.10	U	0.10	U	0.10	U	0.10	Ū.
4,4'-DDD	0,10	Ü	0.10	U	0.10	U	0,10	U	chibe postalesses conserves on esco	U
ENDOSULFAN SULFATE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	43 North (487) (1997)
4,4'-DDT	0.10	ับ	0,10	U .	0.10	Ü.	0,10	U	0,10	U
METHOXYCHLOR	0.50	U	0.50	U	0.50	U	0.50	U	0.50	0.00000888.000
ENDRIN KETONE	0.10	ט	0.10	U	0.10	Ü	0.10	\$100 Per 200 March 400 B 200	0.10	U
ENDRIN ALDEHYDE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ALPHA-CHLORDANE	0.050	U	0,050	U	0.050	U	0.050	27 STATE STATE STATE OF THE PARTY AND ADDRESS	0,050	U
GAMMA-CHLORDANE	0.050	U	0,050	Įυ	0.050	U	0.050	U eller retestab	0.050	U
TOXAPHENE	5.0	ט	5.0	U	5.0	U	5.0	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	5.0	U
AROCLOR-1016	1.0	υ	1.0	U	1.0	U	1.0	CT 1,577 \$48884619998	1.0	U
AROCLOR-1221	2.0	U	2.0	U	2.0	U	2.0	A TOTAL SALAN STATE	2.0	a construction
AROCLOR-1232	1.0	U	1.0	U	1.0	U.	1.0	en organia sedeletica	1.0	na ku haratika
AROCLOR-1242	1.0	lu	1.0	U	1.0	Ü	1.0	E 1000 - 100	1.0	
AROCLOR-1248	1.0	U	1.0	U	1.0	U	1.0	U	1.0	1 1 7 8 8 8 1 V
AROCLOR-1254	1.0	U	1.0	u	1.0	U	1.0	U	1.0	
AROCLOR-1260	1.0		1.0	lu .	1.0	U	1.0	U	1.0	U

Case #: 32934

SDG: E0098

Site :

AROCLOR-1254 AROCLOR-1260 U.S. STEEL CORP JOLIET WORKS

Lab.: COMPUCHEM

Reviewer:

S. Tobin 06-28-2004 Number of Soil Samples: 0

Number of Water Samples: 8

Sample Number :	E00C3		E0098		E0098MS		E0098MSD		PBLKNO	
Sampling Location :	FB		G109		G109		G109			
Matrix:	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/25/2004		5/24/2004		5/24/2004		5/24/2004			
Time Sampled :	15:30		13:45		13:45		13:45			
%Moisture :	N/A		N/A		N/A		N/A	-	N/A	
pH:										
Dilution Factor :	1.0		1.0		1.0		1.0	•	1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	0.050	ប	0,050	U	0.050	U	0.10	บ	0.050	U
BETA-BHC	0.050	U	0.050	U	0.050	U	0.10	U	0.050	U
DELTA-BHC	0.050	U	0.050	U	0.050	U	0.10	U	0.050	U
GAMMA-BHC (LINDANE)	0.050	U	0.050	U	0.42		0.47		0.050	U
HEPTACHLOR	0.050	บ	0.050	υ	0.41		0.46		0.050	ប
ALDRIN	0.050	U	0.050	U	0.41		0.45		0.050	บ
HEPTACHLOR EPOXIDE	0,050	U	0.050	U	0.050	Ü	0.10	υ	0.050	ប
ENDOSU1FAN I	0.050	U	0.050	U	0.050	U	0.10	U	0.050	U
DIELDRIN	0.10	U	0.10	U	0.87		1.0		0.10	U
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.20	U	0.10	U
ENDRIN	0.10	U	0.10	Ü	0.96		1.1		0.10	U
ENDOSULFAN II	0.10	Ü	0.10	U	0.10	U	0.20	U	0.10	U
4,4'-DDD	0.10	ป	0.10	U,	0.029	J	0.20	บ	0.10	U
ENDOSULFAN SULFATE	0.10	U	0.10	U	0.10	U	0.20	U	0.10	U
4,4'-DDT	0.10	บ	0.10	U	0.82	N. San	0.94	54925	0.10	U
THOXYCHLOR	0.50	U	0.50	U	0.50	U	1.0	U	0.50	υ
DRIN KETONE	0.10	U	0.10	U	0,10	U	0.20	U	0.10	U
ENDRIN ALDEHYDE	0.10	U	0.10	U	0.10	U	0.20	U	0.10	U
ALPHA-CHLORDANE	0.050	U	0.050	U	0.050	Ü	0.10	U	0,050	U
GAMMA-CHLORDANE	0.050	U	0.050	U	0.050	U	0.10	U	0.050	U
TOXAPHENE	5.0	ບຸ	5.0	U	5.0	U	10	U	5.0	U
AROCLOR-1016	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
AROCLOR-1221	2.0	U	2.0	U	2.0	U	4.0	U	2.0	Ü
AROCLOR-1232	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
AROCLOR-1242	1.0	U	1.0	ປຸ	1.0	U	2.0	U	1.0	U
AROCLOR-1248	1.0	U Dinasiakona	1.0	U	1.0	U Sur Norman (1977)	2.0	U	1.0	U

1.0

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

DATE:		
SUBJECT:	Review of Data Received for Review on 6-15-04	
FROM:	Stephen L. Ostrodka, Chief (SMF-4J) Superfund Field Services Section	
TO:	Data User: \ CfA	
	iewed the data for the following case: E: US STEEL CARP. Joliet Works	. (14)
CASE NUM	IBER: 32934 SDG NUMBER:	E2098
Number and	Type of Samples: 8 (WATER)	
Sample Num	nbers: <u>80098</u> , 800Al-a, 800A6, 800B7-8,	£0000, 80003
Laboratory:	Conquettem Hrs for Review:	
Following an	re our findings:	

CC: Howard Pham Region 5 TPO Mail Code: SM-5J



CompuChem a division of Liberty Analytical Corp.

Sample Delivery Group (SDG) Cover Sheet

	Ĝ		- 3	A	-
--	---	--	-----	---	---

			SDG Numb	er _	E0098		
	Laboratory Name		CompuChem	-	Laboratory Code		LIBRTY
	Contract No.		68W03021	_	Case No.		32934
	Analysis Price		\$415.00	-	SDG Turnaround	<u> </u>	21
	EPA Sa	ımpl	e Numbers in SD	G (L	isted in Numeric	al O	rder)
	F0000	17)	E00C0	13)		19)	
1)	E0098 E00A1	(7) (8)	E00C3	14)		20)	
(2) (3)	E00A1	9)		15)		21)	. /
4)	E00A6	10)		16)		22)	
5)	E00B7	11)		17)		23)	
6)	E00B8	12)		18)		24)	
	E0098				E00C3]
Fir	st Sample in SDC	9	-	Las	st Sample in SDG	.	
	05/26/04				05/26/04]
Fi	rst Sample Recei	ot Da	ate	La	st Sample Receip	ot Da	ate
N	ote: There are a trach TRs to this for	max orm	imum of 20 field in alphanumeric	sam orde	ples (excluding F r (the order listed	PE s I abo	amples in an SDG ove on this form).
S	ignature <i>Ill</i>	LL_	Evano	_	Date 05/26/04		

SUSTEMENT STORE	20018-200	1.2, 3.4, 4/-	Upon Receipt:					·	Complete ?N
\sim	Chain of Custody SealNumber	ature	Cooler Temperature	ature(s):	Additional Sampler Signature(s):	Sample(s) to be used for laboratory QC:	o be used	Sample(s) t	Shipment for Case
THURSDOTE GLED	SIGNATURE								
OF CHARAC DOCUMENTS INCLUDED IN CST. Land	OF CHANGE DOCUMENT OF THE PROPERTY OF THE PROP	13:40	S: 5/25/2004	X155	5-277635 (1)	VOA (21)	L/G	Soil/Sediment/ Ken Corkill	E00C1
COPY	ME00C0	12:25	S: 5/25/2004	G111	BNA/PEST (21), VOA 5-277641, 5-277642, 5-277643 (HCL), 5-277644 (HCL) (4)	BNA/PEST (21), V (21)	L/G	Ground Water/ Paul Mason	E00C0 🦯
		11:55	S: 5/25/2004	ТВ	5-277499, 5-277500 (2)	VOA (21)	L/G	Ground Water/ Paul Mason	E00B8 /
· .	ME00B7	10:05	S: 5/25/2004	G108	BNA/PEST (21), VOA 5-277494, 5-277495, (21) 5-277496, 5-277497 (4)	BNA/PEST (21), V (21)	L/G	Ground Water/ Paul Mason	E00B7 V
	ME00A6	18:35	S: 5/24/2004	G112	(HCL) (4) - BNA/PEST (21), VOA 5-277487, 5-277488 (HCL), (21) 5-277489 (HCL) (3)	BNA/PEST (21), V (21)	M/G	Ground Water/ Paul Mason	E00A6
	ME00A2	15:55	S: 5/24/2004	G110A	(4) BNA/PEST (21), VOA 5-277479 (Ice Only), (21) 5-277480 (Ice Only), 5-277481 (HCL), 5-277482	BNA/PEST (21), V (21)	L/G	Ground Water/ Paul Mason	E00A2 /
	ME00A1	15:55	S: 5/24/2004	G110	(HCL), 5-277468 (HCL) (12) BNA/PEST (21), VOA 5-277473 (loe Only), (21) 5-277474 (loe Only), 5-277475 (HCL), 5-277476	BNA/PEST (21), V (21)	L/G	Ground Water/ Paul Mason	E00A1 🗸
> 12 Colombers	5-277460 19416-5	-			5-277463 (HCL), 5-277464 (HCL), 5-277465 (HCL), 5-277465 (HCL), 5-277467				
**	S: 5/24/2004 13.43 INIEQUOSO	one during	S: 5/24/2004	G109	BNAPEST (21), VOA 5-277457, 5-277458, (21) 5-277459, 5-277460, 5-277461, 5-277462,	BNA/PEST (21), V (21)	L/G	Ground Water/ Paul Mason	E0098 /
Sample Condition On Receipt	SAMPLE No.	E C	SAMPLE CULLECT DATE/TIME	STATION LOCATION	TAG No.J PRESERVATIVE/ Bottle's	ANALYSIS/ TURNAROUND	CONC!	MATRIX/ SAMPLER	ORGANIC SAMPLE No.
FOR LABILISE ON Y	IND ON ANIIO	FOT	2111111						

TR Number: 5-314975591-052504-0003

BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volatiles

Concentration: L = Low. M = Low/Medium, H = High

Type/Designate:

Composite = C, Grab = G

Custody Seal Intact?

Shipment Iced?

Analysis Key:

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Record

L			
	SDG No:	DAS No:	Case No:
	BECOM BECOM	\	32934
	1 Floor	1000	アンスの
	Γ	-	-

Date Shipped:	5/25/2004		Chain of Custod)	Record	Sampler Signature:	ud	For Lat	o Use Unity	になって公子
Carrier Name:	UPS		Relinquished By	(Date / Time)	Received By	(Date / Time)	Lab Cont	ract No:	100000x
Airbill:	1z62158922100249	37	11/1		1 The Total	10 536:04	Unit Price	e.	415.00
Shipped to:	Liberty Analytical Corporation		2			920	Transfer	To:	
	501 Madison Avenu Cary NC 27513		3				Lab Cont	ract No:	
	(919) 379-4100		4				Unit Pric	e:	
ORGANIC SAMPLE No	MATRIX! SAMPLER	CONC/	ANALYSIS/ TURNAROUND	TAG NoJ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLE DATE/TIME	ici I	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00C2		L/G	BNA/PEST (21)	5-277646, 5-277647, 5-277648 (3)	G109A	S: 5/25/2004	15:00		A day
E00C3 V	Ground Water/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	A 5-277650, 5-277651, 5-277652 (HCL), 5-27765	S FB	S: 5/25/2004	15:30	ME00C3	1374122.
E00C4	Soil/Sediment/ Ken Corkill	L/G	VOA (21)	5-277657 (1)	X159	S: 5/25/2004	12:30	ME00C4	-
E00C5	Soil/Sediment/ Ken Corkill	L/G	VOA (21)	5-277661 (1)	X154	S: 5/25/2004	15:10	ME00C5	
E00C6	Soil/Sediment/ Ken Corkill	L/G	VOA (21)	5-277665 (1)	X157	S: 5/25/2004	13:30	ME00C6	
E00C7	Soil/Sediment/ Ken Corkill	L/G	VOA (21)	5-277669 (1)	X158	S: 5/25/2004	16:50	ME00C7	
E00C8	Soil/Sediment/ Ken Corkill	L/G	VOA (21)	5-277673 (1)	X149	S: 5/25/2004	16:30	ME00C8	
	Date Shipped: Carrier Name: Airbill: Shipped to: ORGANIC SAMPLE No E00C2 E00C3 E00C4 E00C5 E00C6 E00C6	ة ٥	5/25/2004 UPS 1z6215892210024937 Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 C MATRIX! Ground Water! Paul Mason Ground Water! Paul Mason Soil/Sediment! Ken Corkill Soil/Sediment! Ken Corkill Soil/Sediment! Ken Corkill Soil/Sediment! Ken Corkill Soil/Sediment! Ken Corkill Soil/Sediment! Ken Corkill Soil/Sediment! Ken Corkill	UPS 1z6215892210024937 Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 C MATRIX/ IO SAMPLER TYPE Ground Water/ L/G Paul Mason Ground Water/ L/G Paul Mason Soil/Sediment/ L/G Ken Corkill Soil/Sediment/ L/G Ken Corkill Soil/Sediment/ L/G Ken Corkill Soil/Sediment/ L/G Ken Corkill Soil/Sediment/ L/G Ken Corkill Soil/Sediment/ L/G Ken Corkill Soil/Sediment/ L/G Ken Corkill	UPS 1z6215892210024937 Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 Commatrix/ Soil/Sediment/ Ken Corkill	LIPS Chain of Custody Record Sampler Agature. Interview of Custody Record Sampler Agature. Interview of Custody Record Sampler Agature. Interview of Custody Record Sampler Agature. Interview of Custody Record Sampler Agature. Interview of Custody Record Sampler Agature. Interview of Custody Record Interview of Custody Record Sampler Agature of Custody Record Interview of Custody Record Intervi	Liberty Analytical Corporation Software Connection Software Conversion Software Conve	Chain of Custody Record Synther Liberty Analytical Corporation Synther Chain of Custody Record Corporation Synther Color Corporation Synther Color Corporation Synther Color Corporation Synther Color C	Discription Discription

SIGNATURE	ORIGINAL DOCUMENTS IN THE COSTO	COPY COPY
٠.	6.080.0	FOOTB

Shipment for Case	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	erature	Chain of Custody Seal Number: 22673-
Complete ?N			21, 22, 3, 4, 4	3.44 DOS DODD MEN S
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	G /	Custody Seal Intact? Shipment Iced?
BNA/PEST = CLP TCL	BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volatiles	Volatiles		

TR Number:

TR Number: 5-314975591-052504-0003

PR provides inary results. Requests for preliminary results will Increase analytical costs.

Send Copy to ample Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phc 03/264-9348 Fax 703/264-9222

F2V5.1

CompuChem

a division of Liberty Analytical Corporation 501 Madison Avenue Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
CASE #32934
SDG #E0098
CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS: E0098, E0098MS, E0098MSD, E00A1, E00A2, E00A6, E00B7, E00B8, E00C0, E00C3, VHBLKXD

The eight water samples listed above (not including the matrix spikes and storage blank) were received properly refrigerated at temperatures ranging from 2.1 to 4.1°C, with proper documentation, in sealed shipping containers, on May 26, 2004. The samples were scheduled for the requested analyses of the GC/MS Volatiles, GC/MS Semivolatiles and Pesticide/PCB fractions. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. This portion of the SDG narrative deals with the GC/MS Volatiles fraction only. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG #E0098 are included in the sample data section.

Volatiles

Analysis holding time requirements were met for all of these samples with the exception of E00B7. This sample was analyzed two days outside of the 10-day hold time due to an instrument malfunction during the first analysis.

Xylenes were identified above the Contract Required Quantitation Limit (CRQL) in sample E00A6. There were between one and three Tentatively Identified Compounds (TIC) identified in each of the samples except for E00A6, which had 30 TICs reported. Alkanes are listed on the attached Alkane Narrative Report.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG. There were no manual quantitations performed on any of the samples.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds met recovery criteria in the analyses of these samples. All of the internal standards (ISs) met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria. Method blank VBLKHA contained Methylene chloride at an acceptable level below the CRQL and three TICs. Method blank VBLKAH contained five TICs. Method blank VBLKHB contained Methylene chloride at an acceptable level below the CRQL and three TICs. Any positive detection for these compounds in the samples and/or QC samples associated with these blanks has been flagged with a "B". The storage blank contained no Target Compound List (TCL) analytes above the Quantitation Limits.

Sample E0098 was used as the original to prepare the duplicate matrix spikes (MS/MSD) as requested. The associated duplicate matrix spikes met all recovery and precision criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Kerry S. Hinshaw

Organic Senior Scientist

June 11, 2004

ALKANE NARRATIVE REPORT Report date : 06/11/2004 SDG: E0098

lient Sample ID: E00A6 Compound	Lab Sample ID: 311704 RT Est.	
Branched Alkane Straight-Chain Alkane Cyclic Alkane Cyclic Alkane Cyclic Alkane Cyclic Alkane Straight-Chain Alkane	19.09 19.27 19.70	6 J 29 J 74 J 150 J 89 J 90 J
Client Sample ID: VBLKAH Compound		File ID: 34208B55 Conc. Q
Branched Alkane Straight-Chain Alkane	18.05 18.14	19 J 11 J

CompuChem A division of Liberty Analytical Corporation 501 Madison Avenue Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

CASE # 32934 SDG # E0098 CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS: E0098, E00A1, E00A2, E00A6, E00B7, E00C0, E00C3

The seven aqueous samples listed above scheduled for the requested analysis of the semivolatile fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. This portion of the SDG narrative deals with the semivolatile fraction only. All pertinent quality assurance notices are included in the narrative section for Case # 32934, SDG # E0098.

Extraction and analysis holding time requirements were met for all of these samples. There were Target Compound List (TCL) analytes identified above the Contract Required Quantitation Limit (CRQL) in two of these samples. Tentatively Identified Compounds (TICs) were found in six of these samples. The TICs that were found in these samples could be characterized as substituted naphthalenes, amides, trichloropropene and unknowns.

Manual quantitations were performed on one or more of the process files associated with this SDG, including E0098, E00A1, E00A2, E00A6, and E00B7. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All decafluorotriphenylphosphine (DFTPP) abundance criteria were met for tunes associated with this SDG. Overall quality control criteria were met for all initial and continuing calibration standards associated to this SDG. All surrogates met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blank met all quality control criteria. TICs were found in this method blank. E0098 was used as the original sample to prepare the duplicate matrix spikes as requested. With three exceptions the duplicate matrix spikes met all advisory accuracy and precision criteria. The recoveries of the spike compound 4-nitrophenol were flagged as outliers in the duplicate matrix spikes. The recovery of the spike compound pentachlorophenol was flagged as an outlier in the matrix spike duplicate.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Valgena Respass

Supervisor, GCMS Semivolatiles

June 11, 2004

ALKANE NARRATIVE REPORT Report date : 06/11/2004 SDG: E0098 CompuChem

a division of Liberty Analytical Corporation 501 Madison Avenue

Cary, N.C. 27513

Fax: 919/379-4050 Tel: 919/379-4100

SDG NARRATIVE **CASE # 32934 SDG # E0098 CONTRACT # 68W03021**

SAMPLE IDENTIFICATIONS:

E0098

E00A2

E00B7

E00C3

E00A1

E00A6

E00C0

The seven water samples listed above were scheduled for the requested analysis of the pesticide/PCB fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. This portion of the SDG narrative deals with the pesticide/PCB fraction only. For the receiving information associated with these samples, please refer to the volatile SDG narrative. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # E0098 are included in the sample data sections.

Pesticides/PCBs

Extraction and analysis holding time requirements were met for all of these samples.

There were no pesticide and PCB analytes confirmed by dual column analysis above the Contract Required Quantitation Limit (CRQL) in any of these samples.

500 mL of raw sample were used to extract sample E00B7 and the duplicate matrix spikes (MS/MSD) prepared from sample E0098, rather than the method-specified amount of 1000 mL. Except for the MSD, the extracts were concentrated to a final volume half that of the method-specified volume, and therefore no effective dilution was performed during the extraction procedure. However, the MSD was concentrated to 10 mL, which resulted to an effective 2x dilution.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

The associated method blank met all quality control criteria.

All of the surrogates met recovery and retention time criteria in the analyses of these samples.

Sample E0098 was used as the original to prepare the duplicate matrix spikes (MS/MSD). The associated duplicate matrix spikes met all accuracy and precision criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Elsie S. Byrd

Senior Scientist I

June 11, 2004

Joan Purdie

From: Sent: Brown, Jessica [Jessica.Brown@dyncorp.com]

Thursday, May 27, 2004 11:02 AM

):

Alice Evans (É-mail); Joan Purdie (E-mail)

∪c: Subject: Mark Wagner (E-mail 2); Carlene Thomas (E-mail); Howard Pham (E-mail) Region 05 | Case 32934 | Lab LIBRTY | Issue Documentation | FINAL

Hi Joan,

Per Region 5, the bottles associated with tag numbers 5-277460, 5-277461, and 5-277462 were broken before being shipped therefore they should be cancelled. LIBRTY should use both samples E0098 and E00C2 as lab QC and report the analysis under sample E0098 thereby canceling sample ID E00C2.

Thanks, Jessica

----Original Message----

From: Thomas.Carlene@epamail.epa.gov [mailto:Thomas.Carlene@epamail.epa.gov]

Sent: Thursday, May 27, 2004 11:00 AM

To: Brown, Jessica

Subject: Re: Region 05 | Case 32934 | Lab LIBRTY | Issue

Hi Jessica -

Please proceed with M. Wagner recommendation and make a note in the case narrative.

Carlene .

----Original Message----

From: Brown, Jessica

ent: Thursday, May 27, 2004 10:54 AM

o: Carlene Thomas (E-mail); Howard Pham (E-mail) Subject: Region 05 | Case 32934 | Lab LIBRTY | Issue

Hi Carlene/Howard,

Per Mark Wagner, IL-EPA, the bottles associated with tag numbers 5-277460, 5-277461, and 5-277462 were broken before being shipped therefore they should be cancelled. LIBRTY should use both samples E0098 and E00C2 as lab QC and report the analysis under sample E0098 thereby canceling sample ID E00C2.

Please advise on how the lab is to proceed.

Thanks, Jessica

5/27/04 10:43AM Jessica Brown, SMO, spoke with Mark Wagner, IL-EPA, concerning Case F1934. The bottles associated with tag numbers 5-277460, 5-277461, and 5-277462 were broken being shipped therefore they should be cancelled. LIBRTY should use both samples E0096 and E00C2 as lab QC and report the analysis under sample E0098 thereby canceling sample ID E00C2.

----briginal Message----

From: Brown, Jessica

Sent: Thursday, May 27, 2004 10:40 AM

To: 'Mark Wagner (E-mail 2)'; 'Bob Casper (E-mail)'; Carlene Thomas

:E-mail); Howard Pham (E-mail)

Subject: Region 95% Case 32934 / Lab LIBRTY / Issue

LIBRITY is still waiting for the resolution to the issues below. Please advise on how the lab is to probe that quickly as possible. .

17

Thanks, Jessica

----Original Message----

From: Brown, Jessica

Sent: Wednesday, May 26, 2004 3:23 PM

To: Mark Wagner (E-mail 2); Bob Casper (E-mail); Carlene Thomas

(E-mail); Howard Pham (E-mail)

Subject: Region 05 | Case 32934 | Lab LIBRTY | Issue

The following is an email from LIBRTY concerning Case 32934. Please advise on the following issues:

For sample E0098, the following tags were listed on the TR but not received at the lab: 5-277460, 5-277461, and 5-277462.

Sample E0098 was received with extra volume but was not designated on TR/COC as QC. May the lab proceed with using this sample as lab QC?

Thanks,

Jessica Brown Computer Sciences Corporation CLP Coordinator for Regions 4, 5, & 8 Phone: (703) 818-4215 Fax: (703) 818-4602

jessica.brown@dyncorp.com <mailto:jessica.brown@dyncorp.com>

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

----Original Message----

From: Joan Purdie [mailto:jpurdie@compuchemlabs.com]

Sent: Wednesday, May 26, 2004 3:27 PM

To: jessica.brown@dyncorp.com

Subject: FW: REGION 5/C#32934/MUTILPLE ISSUES

Jessica here is the attachment taht was suppose to be with the e-mail.

Joan

----Original Message-----

From: Joan Purdie [mailto:jpurdie@compuchemlabs.com]

Sent: Wednesday, May 26, 2004 3:18 PM

To: 'jessica.brown@dyncorp.com'

Co: 'aevans@compuchemlabs.com'

Subject: REGION 5/C#32934/MUTILPLE ISSUES

Hi Jessica,

We received C#32934 today with 9 waters and 6 voa only soils(encores). The TR/COC list sample id E0098 having 12 containers. We received 9. I attached a copy of TR/COC commenting on the containers with tag #'s we did not receive.

Cample id E0098 was received with extra volume but was not designated on TEPCOC as $\chi_{\rm T}$. The lab has chosen this sample as $\chi_{\rm T}$.

Inane you; Toar Eurale Johthat (h-leainator CompuChem/Liberty 919-379-4061 jpurdie@compuchemlabs.com

This e-mail and any information contained or attached to this email are privileged and confidential and proprietary information intended only/solely for the individual or entity to whom it is addressed. It is a PRIVATE email message and the sender does not waive any related rights and obligations. Kindly notify the sender immediately by e-mail if you have received this e-mail in error or by mistake. You are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited."

19

2A WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934

SAS No.:

SDG No.: E0098

EPA	SMC1	SMC2	SMC3	OTHER	TOT
SAMPLE NO.	(TOL)#	(BFB)#	(DCE)#	========	OUT
VBLKHA	98	98	94		
E0098	102	100	100		
E0098MS	98	102	106		
E0098MSD	98	98	106		
E00A1	106	94	. 98		
E00A2	92	96	94		
E00A6	90	100	100		·
E00C0	88	90	94		
VBLKAH	108	102	94		
E00B8	102	98	98		
E00C3	108	100	104		
VBLKHB	98	102	94		
E00B7	98	100	96		
VHBLKXD	90	100	88		
					· ····
		· · · · · · · · · · · · · · · · · · ·	-··-		· · · · · · · · · · · · · · · · · · ·

QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110) SMC2 (BFB) = Bromofluorobenzene (86-115)

SMC2 (BFB) = Bromofluorobenzene (86-115) SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

page 1 of 1

FORM II VOA-1

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM

Contract: 68W03021

b Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix Spike - EPA Sample No.: E0098

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	Ð	44	88	61-145
Trichloroethene	50	0	48	96	71-120
Benzene	50	. 0	49	98	76-127
Toluene	50	0	48	96	76-125
Chlorobenzene	50	0	48	.96	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LI RPD	IMITS REC.
1,1-Dichloroethene	50	47	94	7	14	61-145
Trichloroethene	50	48	96	0	14	71-120
Benzene	50	50	100	2	11	76-127
Toluene	50	47	94	2	13	76-125
Chlorobenzene	50	49	98	2	13	75-130

- # Column to be used to flag recovery and RPD values with an asterisk
- * Values outside of QC limits

RPD: 0 out of 5 outside limits Spike Recovery: 0 out of 10 outside limits

	•		,		
	•			•	
COMMENTS.					
COLITITIES.	, and the second second second second second second second second second second second second second second se				
		 ·			

FORM III VOA-1

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Lab File ID: 34208A55

Lab Sample ID: 34208

Date Analyzed: 06/04/04

Time Analyzed: 0833

GC Column: EQUITY624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: F50055

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

1	EPA	LAB	LAB	TIME
-		SAMPLE ID	FILE ID	ANALYZED
	SAMPLE NO.			========
	=======================================	311701	311701A55	1020
01	E0098	34211	34211A55	1100
02	E0098MS	34211	34212A55	1132
03	E0098MSD	34212	311702A55	1224
04	E00A1	311702		1257
05	E00A2	311703		1336
06	E00A6	311704	311704A55	1705
07	E00C0	311707	311707A55	1/03
08				
09				
10				
11				
12:				
13				
$\frac{13}{14}$				
15				
16 17				
		1	•	
18				
19				
20				
21		 		
22 23				
23				
24				
25				
24 25 26 27				
27				
28	3			
29				
29 30				

1	
•	
COMMENTS:	

page 1 of 1

FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA	SAMPLE	NO.

7 3 Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Lab File ID: 34208B55

Lab Sample ID: 34208R

Date Analyzed: 06/05/04

Time Analyzed: 1454

GC Column: EQUITY624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: F50055

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	NALYZED
01 E00B8 311706 311706RB55 02 E00C3 311709 311709RB55	1534 1613
02 10000	1012
03	
04 05	
06	
07	
08	
09	
10	
11	
12	
13	
14 15 16 17 18 19 20 21 22 23	
16	
17	
18	
19	
20	
21	
22	
23	
24 25 26 27	
25	
26	
27	
28 29	
30	

COMMENTS:	
COLILIZATION.	

page 1 of 1

FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKHB	

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934

SAS No.:

SDG No.: E0098

Lab File ID: 34209A55

Lab Sample ID: 34209

Date Analyzed: 06/07/04

Time Analyzed: 1039

GC Column: EQUITY624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: F50055

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

1	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	==========			========
01	E00B7	311705	311705RA55	1132
02	VHBLKXD	311504	311504RA55	1722
03	VIIDDICID			
04				
05				
06				:
07				
0.8				
09				
10				
11				
12				
13				
14				
14 15				
16				
17				
18				
19				
2.0				
21 22 23				
22				
23				
24				
25				
24 25 26				
27 28 29				
28				
29				
30				

COMMENTS:	

page 1 of 1

EPA SAMPLE NO.

SDG No.: E0098

E0098

Contract: 68W03021 Lab Name: COMPUCHEM

__b Code: LIBRTY Case No.: 32934 SAS No.:

Matrix: (soil/water) WATER

Lab Sample ID: 311701

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311701A55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec. _____

Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

		•		
Dichlorodifluoromethane		10	Ū	
Chloromethane		10		
Vinyl Chloride				
Bromomethane				
Chloroethane				
Trichlorofluoromethane				
1,1-Dichloroethene				
1,1,2-Trichloro-1,2,2-trifluoroethane				
Acetone	*			
Carbon Disulfide				-51
Methyl Acetate			U	
Methylene Chloride		'\		ar
Methyl tert-Butyl Ether			-	
cis-1,2-Dichloroethene	-		-	
2-Butanone				
1,1,1-Trichloroethane				
Cyclohexane				i
Carbon Tetrachloride		10		
Benzene		10		
1,2-Dichloroethane		10	U	
	Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene 1,1,2-Trichloro-1,2,2-trifluoroethane Acetone Carbon Disulfide Methyl Acetate Methylene Chloride trans-1,2-Dichloroethene Methyl tert-Butyl Ether 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Chloroform 1,1,1-Trichloroethane Cyclohexane Carbon Tetrachloride Benzene	Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene 1,1,2-Trichloro-1,2,2-trifluoroethane Acetone Carbon Disulfide Methyl Acetate Methylene Chloride trans-1,2-Dichloroethene Methyl tert-Butyl Ether 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Chloroform 1,1,1-Trichloroethane Cyclohexane Carbon Tetrachloride Benzene	Chloromethane 10 Vinyl Chloride 10 Bromomethane 10 Chloroethane 10 Trichlorofluoromethane 10 1,1-Dichloroethene 10 1,1,2-Trichloro-1,2,2-trifluoroethane 10 Acetone 10 Carbon Disulfide 10 Methyl Acetate 10 Methylene Chloride 10 trans-1,2-Dichloroethene 10 Methyl tert-Butyl Ether 10 1,1-Dichloroethane 10 cis-1,2-Dichloroethene 10 2-Butanone 10 Chloroform 10 1,1,1-Trichloroethane 10 Cyclohexane 10 Carbon Tetrachloride 10 Benzene 10	Chloromethane

EPA SAMPLE NO.

E0098	

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E009

Matrix: (soil/water) WATER

Lab Sample ID: 311701

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311701A55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec.

Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

			,
79-01-6	Trichloroethene	10	Ŭ
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	Ü
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	Ŭ
108-88-3	Toluene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	1.0	Ū
79-00-5	1,1,2-Trichloroethane	10	Ū
127-18-4	Tetrachloroethene	10	Ū
591-78-6	2-Hexanone	1.0	U
124-48-1	Dibromochloromethane	10	Ŭ
106-93-4	1,2-Dibromoethane	. 10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	Ū
100-42-5	Styrene	10	Ū
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	Ŭ
541-73-1	1,3-Dichlorobenzene	10	Ū
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	Ū.
96-12-8		10	Ū
120-82-1	1,2,4-Trichlorobenzene	10	Ū
	1,2-Dibromo-3-Chloropropane 1,2,4-Trichlorobenzene		

FORM I VOA-2

TENTATIVELY IDENTIFIED COMPOUNDS

E0098 Contract: 68W03021

Lab Name: COMPUCHEM

Law Code: LIBRTY Case No.: 32934 SAS No.:

LOW

SDG No.: E0098

EPA SAMPLE NO.

Matrix: (soil/water) WATER

Lab Sample ID: 311701

Sample wt/vol: 5

(g/mL) ML

Lab File ID: 311701A55

Level: (low/med)

Date Received: 05/26/04

% Moisture: not dec. _____

Date Analyzed: 06/04/04

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm)

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: ____(uL)

CONCENTRATION UNITS:

Number TICs found: 2

(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT ======	EST. CONC.	Q =====
:=====================================	LABORATORY ARTIFACT	17.86	. 8	J
2.	LABORATORY ARTIFACT	19.34	12	J
3.				
4.				
5.				
6.				
7				
э				
10.				<u> </u>
11.				
12.				
13.				
14.				
15.				
16.				
17.				
19				
19. 20.				
21.				
22:				
23.				
24.		-		
25.				
26. 27.				
28.				
29.				
30.				

EPA SAMPLE NO.

E0098MS

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34211

Sample wt/vol: 5

Lab File ID: 34211A55

(g/mL) ML

Date Received: 05/26/04

Level: (low/med) LOW

Date Analyzed: 06/04/04

% Moisture: not dec.

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: ____(uL)

CONCENTRATION UNITS:

		CONCENTRALION ONT	1D:
CAS NO.	COMPOUND	(ug/L or ug/Kg) U	G/L Q
		10	TU
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	T U
74-83-9	Bromomethane	10	1 0
75-00-3	Chloroethane	10	 U
75-69-4	Trichlorofluoromethane	$\frac{10}{44}$	1
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		+ 0
67-64-1	Acetone	1.0	 U
75-15-0	Carbon Disulfide	10	 U
79-20-9	Methyl Acetate	10	
75-09-2	Methylene Chloride	10 -5	JBU HIN
156-60-5	trans-1,2-Dichloroethene	10	
$\frac{1634-04-4}{1634-04-4}$	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	Ū
67-66-3	Chloroform	10	<u>U</u>
	1,1,1-Trichloroethane	10	U
71-55-6	Cyclohexane	10	Ü
110-82-7	Carbon Tetrachloride	10	U
56-23-5		49	
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane		<u> </u>

EPA SAMPLE NO.

E0098MS	
---------	--

Lab Name: COMPUCHEM

Contract: 68W03021

.b Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34211

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 34211A55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec. _____

Date Analyzed: 06/04/04

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

Soil Extract Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

79-01-6	Trichloroethene	48	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	Ū
75-27-4	Bromodichloromethane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	48	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	Ū
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	. 10	Ŭ
124-48-1	Dibromochloromethane	10	Ŭ
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	48	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	Ū
98-82-8	Isopropylbenzene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	Ū
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	Ū
120-82-1	1,2,4-Trichlorobenzene	10	Ü
120-02-1	1,2,4-IIICIIIOIODEIIZEIIE	10	

EPA SAMPLE NO.

E0098MSD

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34212

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 34212A55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec.

Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

		10	U
75-71-8	Dichlorodifluoromethane		
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	Ū
75-00-3	Chloroethane	10	Ŭ
75-69-4	Trichlorofluoromethane	10	Ü
75-35-4	1,1-Dichloroethene	47	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	Ŭ
75-15-0	Carbon Disulfide	10	Ŭ '
79-20-9	Methyl Acetate	10	U ,
75-09-2	Methylene Chloride	101	JBU CAN
156-60-5	trans-1,2-Dichloroethene	10	
1634-04-4	Methyl tert-Butyl Ether	10	Ū
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	Ū
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	50	
107-06-2	1,2-Dichloroethane	10	Ū

EPA SAMPLE NO.

E0098MSD

Lab Name: COMPUCHEM

Contract: 68W03021

SDG No.: E0098 Code: LIBRTY Case No.: 32934 SAS No.:

Matrix: (soil/water) WATER

Lab Sample ID: 34212

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34212A55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec.

Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) $\underline{\text{UG/L}}$ Q

CAS NO. COMPOUND

Section 1			
79-,01-6	Trichloroethene	48	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-10-1	4-Methyl-2-Pentanone	• 10	U
108-88-3	Toluene	47	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	. 10	U
106-93-4	1,2-Dibromoethane	10	Ū
108-90-7	Chlorobenzene	49	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	Ū
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	Ū
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	Ū
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	Ū
120-82-1	1,2,4-Trichlorobenzene	10	U
1			

EPA SAMPLE NO.

E00A1

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E009

Matrix: (soil/water) WATER

Lab Sample ID: 311702

Sample wt/vol:

Lab File ID: 311702A55 5 (g/mL) ML

Date Received: 05/26/04

Level: (low/med) LOW

% Moisture: not dec.

Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume: ____(uL)

CONCENTRATION UNITS:

(uq/L or ug/Kg) UG/L Q CAS NO. COMPOUND

74-87-3 Chloromethane 10 U 75-01-4 Vinyl Chloride 10 U 74-83-9 Bromomethane 10 U 75-00-3 Chloroethane 10 U 75-69-4 Trichlorofluoromethane 10 U 75-35-4 1,1-Dichloroethene 10 U 76-13-1 1,1,2-Trichloro-1,2,2-trifluoroethane 10 U 67-64-1 Acetone 10 U 75-15-0 Carbon Disulfide 10 U	GE 81 0	Distal and difference than	10	U
75-01-4 Vinyl Chloride	75-71-8	Dichlorodifluoromethane	L	1 - 1
T4-83-9 Bromomethane 10 U T5-00-3 Chloroethane 10 U T5-69-4 Trichlorofluoromethane 10 U T5-35-4 1,1-Dichloroethene 10 U T6-13-1 1,1,2-Trichloro-1,2,2-trifluoroethane 10 U T5-35-6 Taccombox T5-15-0 Carbon Disulfide 10 U T5-15-0 Carbon Disulfide 10 U T5-09-2 Methyl Acetate 10 U T5-09-2 Methyl Ether 10 U T5-34-3 1,1-Dichloroethane 10 U T5-34-3 1,1-Dichloroethane 10 U T5-34-3 1,1-Dichloroethane 10 U T5-35-6 Carbon Tetrachloroethane 10 U T6-59-2 Cis-1,2-Dichloroethane 10 U T6-59-3 Carbon Tetrachloride 10 U T6-59-3 Carbon Tetrachloride 10 U T6-23-5 Carbon	74-87-3			
75-00-3 Chloroethane 10 U	75-01-4	Vinyl Chloride	10	
75-69-4 Trichlorofluoromethane 10 U 75-35-4 1,1-Dichloroethene 10 U 76-13-1 1,1,2-Trichloro-1,2,2-trifluoroethane 10 U 67-64-1 Acetone 10 U 75-15-0 Carbon Disulfide 10 U 79-20-9 Methyl Acetate 10 U 75-09-2 Methylene Chloride 10 U 156-60-5 trans-1,2-Dichloroethene 10 U 1634-04-4 Methyl tert-Butyl Ether 10 U 75-34-3 1,1-Dichloroethane 10 U 78-93-3 2-Butanone 10 U 67-66-3 Chloroform 10 U 71-55-6 1,1,1-Trichloroethane 10 U 110-82-7 Cyclohexane 10 U 71-43-2 Benzene 10 U	74-83-9	Bromomethane	10	U
75-35-4	75-00-3	Chloroethane	10	
76-13-1	75-69-4	Trichlorofluoromethane	10	U .
10 U 15 15 16 17 17 17 17 17 17 17	75-35-4		10	1 - 1
75-15-0 Carbon Disulfide 10 U 79-20-9 Methyl Acetate 10 U 75-09-2 Methylene Chloride 10 U 156-60-5 trans-1,2-Dichloroethene 10 U 1634-04-4 Methyl tert-Butyl Ether 10 U 75-34-3 1,1-Dichloroethane 10 U 156-59-2 cis-1,2-Dichloroethene 10 U 78-93-3 2-Butanone 10 U 67-66-3 Chloroform 10 U 71-55-6 1,1,1-Trichloroethane 10 U 10-82-7 Cyclohexane 10 U 56-23-5 Carbon Tetrachloride 10 U 71-43-2 Benzene 10 U	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	
79-20-9 Methyl Acetate 10 U 75-09-2 Methylene Chloride IC-5 JB y Gr 156-60-5 trans-1,2-Dichloroethene 10 U 1634-04-4 Methyl tert-Butyl Ether 10 U 75-34-3 1,1-Dichloroethane 10 U 156-59-2 cis-1,2-Dichloroethene 10 U 78-93-3 2-Butanone 10 U 67-66-3 Chloroform 10 U 71-55-6 1,1,1-Trichloroethane 10 U 10-82-7 Cyclohexane 10 U 56-23-5 Carbon Tetrachloride 10 U 71-43-2 Benzene 10 U	67-64-1	Acetone	10	U
75-09-2 Methylene Chloride 10 U 156-60-5 trans-1,2-Dichloroethene 10 U 1634-04-4 Methyl tert-Butyl Ether 10 U 75-34-3 1,1-Dichloroethane 10 U 156-59-2 cis-1,2-Dichloroethene 10 U 78-93-3 2-Butanone 10 U 67-66-3 Chloroform 10 U 71-55-6 1,1,1-Trichloroethane 10 U 110-82-7 Cyclohexane 10 U 56-23-5 Carbon Tetrachloride 10 U 71-43-2 Benzene 10 U	75-15-0	Carbon Disulfide	10	U
156-60-5 trans-1,2-Dichloroethene 10 U 1634-04-4 Methyl tert-Butyl Ether 10 U 75-34-3 1,1-Dichloroethane 10 U 156-59-2 cis-1,2-Dichloroethene 10 U 78-93-3 2-Butanone 10 U 67-66-3 Chloroform 10 U 71-55-6 1,1,1-Trichloroethane 10 U 110-82-7 Cyclohexane 10 U 56-23-5 Carbon Tetrachloride 10 U 71-43-2 Benzene 10 U	79-20-9	Methyl Acetate	1	
1634-04-4 Methyl tert-Butyl Ether 10 U 75-34-3 1,1-Dichloroethane 10 U 156-59-2 cis-1,2-Dichloroethene 10 U 78-93-3 2-Butanone 10 U 67-66-3 Chloroform 10 U 71-55-6 1,1,1-Trichloroethane 10 U 10-82-7 Cyclohexane 10 U 56-23-5 Carbon Tetrachloride 10 U 71-43-2 Benzene 10 U	75-09-2	Methylene Chloride	10-5	JB4 CIZ
75-34-3 1,1-Dichloroethane 10 U 156-59-2 cis-1,2-Dichloroethene 10 U 78-93-3 2-Butanone 10 U 67-66-3 Chloroform 10 U 71-55-6 1,1,1-Trichloroethane 10 U 110-82-7 Cyclohexane 10 U 56-23-5 Carbon Tetrachloride 10 U 71-43-2 Benzene 10 U	156-60-5		10	_
156-59-2 cis-1,2-Dichloroethene 10 U 78-93-3 2-Butanone 10 U 67-66-3 Chloroform 10 U 71-55-6 1,1,1-Trichloroethane 10 U 110-82-7 Cyclohexane 10 U 56-23-5 Carbon Tetrachloride 10 U 71-43-2 Benzene 10 U	1634-04-4		10	Ū
78-93-3 2-Butanone 10 U 67-66-3 Chloroform 10 U 71-55-6 1,1,1-Trichloroethane 10 U 110-82-7 Cyclohexane 10 U 56-23-5 Carbon Tetrachloride 10 U 71-43-2 Benzene 10 U	75-34-3	1,1-Dichloroethane	10	Ū
67-66-3 Chloroform 10 U 71-55-6 1,1,1-Trichloroethane 10 U 110-82-7 Cyclohexane 10 U 56-23-5 Carbon Tetrachloride 10 U 71-43-2 Benzene 10 U	156-59-2	cis-1,2-Dichloroethene	10	
71-55-6 1,1,1-Trichloroethane 10 U 110-82-7 Cyclohexane 10 U 56-23-5 Carbon Tetrachloride 10 U 71-43-2 Benzene 10 U	78-93-3	2-Butanone	10	
110-82-7 Cyclohexane 10 U 56-23-5 Carbon Tetrachloride 10 U 71-43-2 Benzene 10 U	67-66-3	Chloroform	10	Ŭ.
56-23-5 Carbon Tetrachloride 10 U 71-43-2 Benzene 10 U	71-55-6	1,1,1-Trichloroethane	10	
71-43-2 Benzene 10 U	110-82-7	Cyclohexane	10	Ū
, 10 1 10 1	56-23-5	Carbon Tetrachloride	10	U
107-06-2 1,2-Dichloroethane 10 U	71-43-2	Benzene	10	
	107-06-2	1,2-Dichloroethane	10	U

FORM I VOA-1

EPA SAMPLE NO.

E00A1

Lab Name: COMPUCHEM

Contract: 68W03021

L Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311702

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311702A55

Date Received: 05/26/04

Level: (low/med) LOW

% Moisture: not dec.

Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	-
79-01-6	Trichloroethene	10 U
108-87-2	Methylcyclohexane	10 U
78-87-5	1,2-Dichloropropane	10 · U
75-27-4	Bromodichloromethane	10 U
10061-01-5	cis-1,3-Dichloropropene	10 U
108-10-1	4-Methyl-2-Pentanone	10 Ū
108-10-1	Toluene Toluene	10 U
	trans-1,3-Dichloropropene	10 U
10061-02-6 79-00-5	1,1,2-Trichloroethane	10 U
127-18-4	Tetrachloroethene	10 U
- <u>27-18-4</u> - <u>391-78-6</u>	2-Hexanone	10 U
124-48-1	Dibromochloromethane	10 U
106-93-4	1,2-Dibromoethane	10 U
108-93-4	Chlorobenzene	10 U
100-41-4	Ethylbenzene	10 U
	Xylene (Total)	10 U
1330-20-7 100-42-5	Styrene	10 U
75-25-2	Bromoform	10 U
98-82-8	Isopropylbenzene	10 U
79-34-5	1,1,2,2-Tetrachloroethane	10 U
541-73-1	1,3-Dichlorobenzene	10 U
106-46-7	1,4-Dichlorobenzene	10 U
95-50-1	1,2-Dichlorobenzene	10 U
95-50-1	1,2-Dibromo-3-Chloropropane	10 U
120-82-1	1,2,4-Trichlorobenzene	10 U
120-82-1	1,2,7-111CIIIOLODCIIZCIIC	

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMP

POUNDS	E00A1
3021	

Lab Name: COMPUCHEM

Contract: 68W03

SDG No.: E0098

EPA SAMPLE NO.

Matrix: (soil/water) WATER

Lab Code: LIBRTY Case No.: 32934 SAS No.:

Lab Sample ID: 311702

Lab File ID: 311702A55

Sample wt/vol: 5 (g/mL) ML

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec.

Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1. 541-05-9	CYCLOTRISILOXANE, HEXAMETHYL	14.04		NOB U
2.	LABORATORY ARTIFACT	19.01	11	JB U
3.				
4.				31
5.				6/24/2
6.				
7. 8.				25.00
9.				1
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17. 18.				
19				
19. 20. 21. 22.				<u> </u>
21.				
22.				
23.				
24.				
25.				
28.				
29.				
30.				
J V •				

EPA SAMPLE NO.

E00A2	

Lab Name: COMPUCHEM

Contract: 68W03021

Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311703

Sample wt/vol:

Lab File ID: 311703A55

5 (g/mL) ML

Date Received: 05/26/04

Level: (low/med) LOW

Date Analyzed: 06/04/04

% Moisture: not dec.

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	Ū
$\frac{73.71.0}{74-87-3}$	Chloromethane	10	U.
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	Ū
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U .
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	. 10	1 10
75-09-2	Methylene Chloride	10 4	7 - 01
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	Ū
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	Ū
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

EPA SAMPLE NO.

E00A2

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311703

Sample wt/vol:

Lab File ID: 311703A55

5

(g/mL) ML

Date Received: 05/26/04

% Moisture: not dec.

Level: (low/med) LOW

Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

Soil Extract Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

			
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	· U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	10	Ū
79-00-5	1,1,2-Trichloroethane	10	Ū
127-18-4	Tetrachloroethene	10_	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	Ū
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	Ü
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
l			

TENTATIVELY IDENTIFIED COMPOUNDS E00A2 Contract: 68W03021 Lab Name: COMPUCHEM

SDG No.: E0098 b Code: LIBRTY Case No.: 32934 SAS No.:

Lab Sample ID: 311703 Matrix: (soil/water) WATER

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311703A55

Date Received: 05/26/04 Level: (low/med) LOW

Date Analyzed: 06/04/04 % Moisture: not dec.

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Aliquot Volume: (uL) Soil Extract Volume: (uL)

> CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

EPA SAMPLE NO.

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	14.09	. 6	J
2.	LABORATORY ARTIFACT	18.99	11	JB U
3.	LABORATORY ARTIFACT	20.85		JB ()
4.				
5.				35
6.				150000
7.				PALLY
3.				
J.				
10.				
11.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				<u> </u>
22.				<u> </u>
23.				
24.				
26.				
27.				
28.				
29.				
30.				

EPA SAMPLE NO.

E00A6	
	- 1

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311704

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311704A55

Level: (low/med) LOW

Date Received: 05/26/04

Date Analyzed: 06/04/04

% Moisture: not dec.

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

Soil Extract Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	Ū
75-01-4	Vinyl Chloride	10	Ū
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	Ū
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	0.7	J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 -5	BY P
156-60-5	trans-1,2-Dichloroethene	. 10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	Ū
56-23-5	Carbon Tetrachloride	10	Ū
71-43-2	Benzene	4	J
107-06-2	1,2-Dichloroethane	10	U

EPA SAMPLE NO.

E00A6	

Lab Name: COMPUCHEM

Contract: 68W03021

La Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311704

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311704A55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec. _____

Date Analyzed: 06/04/04

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm)

Soil Aliquot Volume: ___(uL)

Soil Extract Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/L</u> Q
79-01-6	Trichloroethene	10 U
108-87-2	Methylcyclohexane	1 J
78-87-5	1,2-Dichloropropane	10 U
75-27-4	Bromodichloromethane	10 U
10061-01-5	cis-1,3-Dichloropropene	10 U
108-10-1	4-Methyl-2-Pentanone	10 U
108-88-3	Toluene	0.9 J
10061-02-6	trans-1,3-Dichloropropene	10 U
79-00-5	1,1,2-Trichloroethane	10 U
27-18-4	Tetrachloroethene	10 U
91-78-6	2-Hexanone	10 U
124-48-1	Dibromochloromethane	10 U
106-93-4	1,2-Dibromoethane	10 U
108-90-7	Chlorobenzene	10 U
100-41-4	Ethylbenzene	2 J
1330-20-7	Xylene (Total)	10
100-42-5	Styrene	10 U
75-25-2	Bromoform	10 U
98-82-8	Isopropylbenzene	2 J
79-34-5	1,1,2,2-Tetrachloroethane	10 U
541-73-1	1,3-Dichlorobenzene	0.2 J
106-46-7	1,4-Dichlorobenzene	0.2 J
95-50-1	1,2-Dichlorobenzene	0.3 J
96-12-8	1,2-Dibromo-3-Chloropropane	10 U
120-82-1	1,2,4-Trichlorobenzene	10 U
120 02 1		

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E00A6

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934

SAS No.:

SDG No.: E0098

EPA SAMPLE NO.

Matrix: (soil/water) WATER

Lab Sample ID: 311704

Sample wt/vol: 5

(g/mL) ML Lab File ID: 311704A55

Date Received: 05/26/04

Level: (low/med)

% Moisture: not dec.

Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm)

LOW

Dilution Factor: 1.0

Soil Extract Volume:____(uL)

Soil Aliquot Volume: ____(uL)

Number TICs found: 30

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

Ivania of				Γ
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
=======================================	======================================	17.51		NJ
1. 99-87-6	BENZENE, 1-METHYL-4-(1-METHY	17.65	120	NJ
2. 1587-04-8	BENZENE, 1-METHYL-2-(2-PROPE	17.88	76	NJ
3. 99-87-6	BENZENE, 1-METHYL-4-(1-METHY	17.98	110	J
4.	UNKNOWN	18.14	120	NJ
5. 2039-89-6	BENZENE, 2-ETHENYL-1,4-DIMET	18.29	240	NJ
6. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	18.45	88	J
7.	SUBSTITUTED BENZENE	18.54	170	J
8.	SUBSTITUTED NAPHTHALENE	18.69		NJ
9. 4175-53-5	1H-INDENE, 2,3-DIHYDRO-1,3-D	18.91	250	
10. 275-51-4	AZULENE	18.99	93	
11.	SUBSTITUTED BENZENE			NJ
12. 17059-48-2	1H-INDENE, 2,3-DIHYDRO-1,6-D	19.40	91	
13. 4175-53-5	1H-INDENE, 2,3-DIHYDRO-1,3-D	19.40	140	
14.	SUBSTITUTED BENZENE	19.41		
15.	UNKNOWN	19.58	100	
16.	UNKNOWN	19.61		
17.	SUBSTITUTED NAPHTHALENE	19.79	the state of the s	
18.	UNKNOWN	19.85		
19.	SUBSTITUTED NAPHTHALENE			
20. 90-12-0	NAPHTHALENE, 1-METHYL-	20.07		
21.	UNKNOWN	20.22		NJ (x
22. 90-12-0	NAPHTHALENE, 1-METHYL-	20.32		
23.	UNKNOWN	20.53		JB U
24.	LABORATORY ARTIFACT	20.74		
25. 4175-54-6	NAPHTHALENE, 1,2,3,4-TETRAHY	20.90		
26. 1127-76-0	NAPHTHALENE, 1-ETHYL-	21.28		
27.	SUBSTITUTED NAPHTHALENE	21.33		
28. 575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	21.45		
29. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	21.69		
$\frac{29.581-40-6}{30.581-42-0}$	NAPHTHALENE, 2,6-DIMETHYL-	21.75	110	LN L
30. 301-42 0				

EPA SAMPLE NO.

E00B7

Lab Name: COMPUCHEM

Contract: 68W03021

SDG No.: E0098 th Code: LIBRTY Case No.: 32934 SAS No.:

Matrix: (soil/water) WATER

Lab Sample ID: 311705

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311705RA55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec.

Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q CAS NO. COMPOUND

	Dializatifications	10	ŢŢ	1
75-71-8	Dichlorodifluoromethane		Ū	.
74-87-3	Chloromethane	10		.
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	.
75-00-3	Chloroethane	10	U	.
75-69-4	Trichlorofluoromethane	10	Ū	
75-35-4	1,1-Dichloroethene	10	Ŭ	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ŭ	. .
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U Y	17/0
79-20-9	Methyl Acetate	10	U 6/7	1
75-09-2	Methylene Chloride	10 3	₽B \	.
156-60-5	trans-1,2-Dichloroethene	10	U	.
1634-04-4	Methyl tert-Butyl Ether	10	Ü	
75-34-3	1,1-Dichloroethane	10	Ū	_
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone	10	Ŭ	
67-66-3	Chloroform	10	Ŭ	
71-55-6	1,1,1-Trichloroethane	10	Ū	
110-82-7	Cyclohexane	10	U	
56-23-5	Carbon Tetrachloride	10	Ū	
71-43-2	Benzene	10	U.	
107-06-2	1,2-Dichloroethane	10	U	

EPA SAMPLE NO.

E00B7

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

(g/mL) ML

Lab Sample ID: 311705

Lab File ID: 311705RA55

Level: (low/med) LOW

Sample wt/vol: 5

Date Received: 05/26/04

% Moisture: not dec.

Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/</u>	<u>/L</u> Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	Ū
79-00-5	1,1,2-Trichloroethane	10	Ū
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
$\frac{108-90-7}{108-90-7}$	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	Ŭ
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	Ŭ
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	Ü
106-46-7	1,4-Dichlorobenzene	10	Ū
95-50-1	1,2-Dichlorobenzene	10	Ŭ
96-12-8	1,2-Dibromo-3-Chloropropane	10	Ū
120-82-1	1,2,4-Trichlorobenzene	10	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

i		
	E00B7	

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 68W03021

E00B7	

b Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311705

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311705RA55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec.

Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: ____(uL)

Number TICs found: 3

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	=== ==================================	17.52	22	JBU
2.	LABORATORY ARTIFACT	18.98	74	JB 🗸
3.	LABORATORY ARTIFACT	20.77	43	JB-W
4.				
5.				\$ 3)(C)
6.				4/5,3/6
7. 3.				
).	·			
10.				
11.				
12.				
13.				
14.				
15.				
16. 17.	·			
18.				
19.				
20.				
21.				
22.				
23.				
24.				<u> </u>
25. 26.				<u> </u>
27.				
28.				
29.	,			
30.				

FORM I VOA-TIC

EPA SAMPLE NO.

E00B8

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311706

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311706RB55

Date Received: 05/26/04

% Moisture: not dec.

Date Analyzed: 06/05/04

Level: (low/med) LOW

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) [UG/L Q
75-71-8	Dichlorodifluoromethane	10	Ū
74-87-3	Chloromethane	10	Ū
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	Ū
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ū
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U L
79-20-9	Methyl Acetate	10	<u> </u>
75-09-2	Methylene Chloride	3	J
156-60-5	trans-1,2-Dichloroethene	10	Ü
1634-04-4	Methyl tert-Butyl Ether	10	Ū
75-34-3	1,1-Dichloroethane	10	
156-59-2	cis-1,2-Dichloroethene	10	
78-93-3	2-Butanone	10	 1
67-66-3	Chloroform	10	
71-55-6	1,1,1-Trichloroethane	10	
110-82-7	Cyclohexane	10	
56-23-5	Carbon Tetrachloride	10	
71-43-2	Benzene	10	
107-06-2	1,2-Dichloroethane	10	U

EPA SAMPLE NO.

E00B8

Lab Name: COMPUCHEM

Contract: 68W03021

Law Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311706

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311706RB55

Date Received: 05/26/04

Level: (low/med) LOW

% Moisture: not dec.

Date Analyzed: 06/05/04

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm)

Soil Aliquot Volume: ____(uL)

Soil Extract Volume:____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(dg/ H 01 dg/ 1-5/
.52.	= 11	10 U
79-01-6	Trichloroethene	10 U
108-87-2	Methylcyclohexane	10 U
78-87-5	1,2-Dichloropropane	10 U
75-27-4	Bromodichloromethane	10 U
10061-01-5	cis-1,3-Dichloropropene	10 U
108-10-1	4-Methyl-2-Pentanone	10 U
108-88-3	Toluene	10 U
10061-02-6	trans-1,3-Dichloropropene	10 0
79-00-5	1,1,2-Trichloroethane	10 U
27-18-4	Tetrachloroethene	10 U
91-78-6	2-Hexanone	10 U
124-48-1	Dibromochloromethane	10 U
106-93-4	1,2-Dibromoethane	10 U
108-90-7	Chlorobenzene	10 U
100-41-4	Ethylbenzene	10 U
1330-20-7	Xylene (Total)	10 U
100-42-5	Styrene	10 U
75-25-2	Bromoform	10 U
98-82-8	Isopropylbenzene	10 U
79-34-5	1,1,2,2-Tetrachloroethane	10 0
541-73-1	1,3-Dichlorobenzene	10 U
106-46-7	1,4-Dichlorobenzene	10 U
95-50-1	1,2-Dichlorobenzene	10 U
96-12-8	1,2-Dibromo-3-Chloropropane	10 U
120-82-1	1,2,4-Trichlorobenzene	10 0

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E00B8	

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311706

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311706RB55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec.

Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume:____(uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

Number TICs found: 1 EST. CONC. RT COMPOUND NAME 20.80 LABORATORY ARTIFACT 6/20/02 9. 10. <u> 11.</u> 12. 13. 14. 15. 16. 18. 19. 20. 21. 24. 26. 27. 28. 29. 30.

EPA SAMPLE NO.

E00C0	

Lab Name: COMPUCHEM

Contract: 68W03021

ab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311707

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311707A55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec.

Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L O

CAS NO.	COMPOUND	(ug/L or ug/Kg) U	G/L Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	Ū
75-35-4	1,1-Dichloroethene	10	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ü
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	NO X	JBY M
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	·U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	Ü
71-55-6	1,1,1-Trichloroethane	10	Ū
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

EPA SAMPLE NO.

E00C0

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311707

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311707A55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec.

Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	Ū
78-87-5	1,2-Dichloropropane	10	Ū.
75-27-4	Bromodichloromethane	10	Ü
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	Ū .
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	Ū
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	Ū
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U .
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	Ū
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00C0

Lab Name: COMPUCHEM

Contract: 68W03021

) Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311707

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311707A55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec. _____

Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

Number TICs found: 2

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
=======================================	LABORATORY ARTIFACT	18.93	10	JBU
<u>1.</u> 2.	LABORATORY ARTIFACT	20.75	9	JB U
3.	Indicated and a second			
4.				\$\frac{\sqrt{\varphi}}{\omega}\varphi\tau
5.				601
6.				<u> </u>
7.				
. ?				
10.				
11. 12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.		,		
20.				
21. 22.				
23.				
24.				
25.				-
26.				
27.				
28.				
29.				
30.			L	<u> </u>

EPA SAMPLE NO.

E00C3

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311709

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311709RB55

Date Received: 05/26/04

% Moisture: not dec. _____

Level: (low/med) LOW

Date Analyzed: 06/05/04

GC Column: EOUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume:____(uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

75-71-8 | Dichlorodifluoromethane 10 IJ 74-87-3 Chloromethane 75-01-4 Vinyl Chloride 10 74-83-9 Bromomethane 75-00-3 Chloroethane 10 10 75-69-4 Trichlorofluoromethane 75-35-4 1,1-Dichloroethene 76-13-1 1,1,2-Trichloro-1,2,2-trifluoroethane 10 10 67-64-1 | Acetone Carbon Disulfide 75-15-0 10 Methyl Acetate 79-20-9 Methylene Chloride 75-09-2 10 156-60-5 trans-1,2-Dichloroethene 10 1634-04-4 | Methyl tert-Butyl Ether 10 75-34-3 1,1-Dichloroethane 156-59-2 10 cis-1,2-Dichloroethene 78-93-3 10 2-Butanone 67-66-3 Chloroform 10 71-55-6 1,1,1-Trichloroethane 1.0 110-82-7 Cyclohexane ŤΤ 56-23-5 | Carbon Tetrachloride 71-43-2 Benzene 1,2-Dichloroethane 107-06-2

EPA SAMPLE NO.

E00C3	
-------	--

Lab Name: COMPUCHEM

Contract: 68W03021

E00C3	

Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311709

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311709RB55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec.

Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

1 1 1	10	U
		U
		U
	10	Ū
cis-1,3-Dichloropropene	10	U.
4-Methyl-2-Pentanone	10	U
Toluene	10	U
trans-1,3-Dichloropropene	10	U
1,1,2-Trichloroethane	10	U
Tetrachloroethene	10	U .
2-Hexanone	10	U
Dibromochloromethane	10	U
1,2-Dibromoethane	10	U
Chlorobenzene	10	U
Ethylbenzene	10	U
Xylene (Total)	10	U
Styrene	10	U
Bromoform	10	U
Isopropylbenzene	10	U
1,1,2,2-Tetrachloroethane	10	U
1,3-Dichlorobenzene	10	Ū
1,4-Dichlorobenzene	10	U
1,2-Dichlorobenzene	10	U
1,2-Dibromo-3-Chloropropane	10	U
1,2,4-Trichlorobenzene	10	U
	trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene 2-Hexanone Dibromochloromethane 1,2-Dibromoethane Chlorobenzene Ethylbenzene Xylene (Total) Styrene Bromoform Isopropylbenzene 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dibromo-3-Chloropropane	Methylcyclohexane 10 1,2-Dichloropropane 10 Bromodichloromethane 10 cis-1,3-Dichloropropene 10 4-Methyl-2-Pentanone 10 Toluene 10 trans-1,3-Dichloropropene 10 1,1,2-Trichloroethane 10 2-Hexanone 10 Dibromochloromethane 10 2-Hexanone 10 Dibromochloromethane 10 Chlorobenzene 10 Ethylbenzene 10 Xylene (Total) 10 Styrene 10 Bromoform 10 Isopropylbenzene 10 1,1,2,2-Tetrachloroethane 10 1,3-Dichlorobenzene 10 1,4-Dichlorobenzene 10 1,2-Dichlorobenzene 10 1,2-Dibromo-3-Chloropropane 10

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

E00C3 Contract: 68W03021

Lab Name: COMPUCHEM

SDG No.: E0098 Lab Code: LIBRTY Case No.: 32934 SAS No.:

Matrix: (soil/water) WATER

Lab Sample ID: 311709

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311709RB55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec. ____

Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm)

Number TICs found: 2

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT ======	EST. CONC.	Q =====
1.	LABORATORY ARTIFACT	18.85	18	J /
2.	LABORATORY ARTIFACT	20.66	21	J /
3.				
4. 5.				
6.				
7.				
8.				
9.				
10.				
12.				
13.				
14.				
15. 16.				
17.				
18.				
19.				
20.				
21.				
23.				
24.				
25.				
26. 27.				
28.		·		
29.				
30.				

FORM I VOA-TIC

EPA SAMPLE NO.

VBLKHA

Lab Name: COMPUCHEM

Contract: 68W03021

La Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34208

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 34208A55

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CAS	NO.	11,015
7	5 – 71	-8

COMPOUNI)
----------	---

CONCENTRA	ATTON O	NITS:	
(ug/L or	ug/Kg)	UG/L	Ç

75-71-8 Dichlorodifluor	omethane 10	
	10	U
74-87-3 Chloromethane		Ū
75-01-4 Vinyl Chloride	10	Ū
74-83-9 Bromomethane	10	Ū
75-00-3 Chloroethane	1.0	Ü
75-69-4 Trichlorofluoro	llectratie	T U
75 25 4 1 1 1-Dichloroeth	216	U
76-13-1 1,1,2-Trichloro	-1.2.2-trifluoroethane 10.	U
67-64-1 Acetone	10	
75-15-0 Carbon Disulfid	e <u>10</u>	U
79-20-9 Methyl Acetate		U
75-09-2 Methylene Chlor	ide <u>5</u>	J
156-60-5 trans-1,2-Dichl	oroethene	U
1634-04-4 Methyl tert-But	v) Ether 10	U
75-34-3 1,1-Dichloroeth	ane 10	U
156-59-2 cis-1,2-Dichlor	oethene <u>10</u>	Ū
78-93-3 2-Butanone	10	U
67-66-3 Chloroform	10	Ū
	ethane 10	Ŭ .
	10	Ū
	oride 10	U
	10	Ū
71-43-2 Benzene	ane 10	Ū
107-06-2 1,2-Dichloroeth	alle	-A

EPA SAMPLE NO.

VBLKHA

Lab Name: COMPUCHEM

Contract: 68W03021

SDG No.: E0098

Lab Code: LIBRTY Case No.: 32934 SAS No.:

Matrix: (soil/water) WATER

Lab Sample ID: 34208

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 34208A55

Level: (low/med) LOW

Date Received: _____

Date Analyzed: 06/04/04

% Moisture: not dec. _____

Soil Extract Volume:____(uL)

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

		1.0	U
79-01-6	Trichloroethene		<u> </u>
108-87-2	Methylcyclohexane	10	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U .
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U .
$\frac{73-00-3}{127-18-4}$	Tetrachloroethene	10	U .
591-78-6	2-Hexanone	10_	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U .
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	Ū
		10	U
100-42-5	Styrene Bromoform	10	Ū
75-25-2		10	Ū
98-82-8	Isopropylbenzene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
541-73-1	1,3-Dichlorobenzene	10	Ü
106-46-7	1,4-Dichlorobenzene	10	Ü
95-50-1	1,2-Dichlorobenzene	10	Ū
96-12-8	1,2-Dibromo-3-Chloropropane	10	TI TI
120-82-1	1,2,4-Trichlorobenzene	10	

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

VBLKHA

EPA SAMPLE NO.

Lab	Name:	COMPUCHEM	Contract:	68W03021

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34208

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 34208A55

Level: (low/med) LOW

lb Code: LIBRTY Case No.: 32934 SAS No.:

Date Received:

% Moisture: not dec.

GC Column: EQUITY624 ID: 0.53 (mm)

Date Analyzed: 06/04/04

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

Number TICs found: 3

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

			. "	
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1. 541-05-9	CYCLOTRISILOXANE, HEXAMETHYL	14.05	6	NJ
2.	LABORATORY ARTIFACT	18.96	19	J
3.	LABORATORY ARTIFACT	20.79	23	J
4.				
5.				
7.				
8.				
٠				
10.		,		
11.				
12.				
13.			· · · · · · · · · · · · · · · · · · ·	
14.				
_15.				
16.				
17.		·		
18.				
19.				
20.				
22.				
23.				
24.				<u> </u>
25.				
26.				
27.				
28.				
29.				
30.				

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 68W03021

VBLKAH	

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34208R

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 34208B55

Date Received: _____

Level: (low/med) LOW

Date Analyzed: 06/05/04

% Moisture: not dec. _____

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: ____(uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/L</u> Q
75-71-8	Dichlorodifluoromethane	10 U
74-87-3	Chloromethane	10 Ü
75-01-4	Vinyl Chloride	10 U
74-83-9	Bromomethane	10 U
75-00-3	Chloroethane	10 U
75-69-4	Trichlorofluoromethane	10 U
75-35-4	1,1-Dichloroethene	10 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10 U
67-64-1	Acetone	10 U
75-15-0	Carbon Disulfide	10 Ü
79-20-9	Methyl Acetate	10 U
75-09-2	Methylene Chloride	10 Ū
156-60-5	trans-1,2-Dichloroethene	10 U
1634-04-4	Methyl tert-Butyl Ether	10 Ü
75-34-3	1,1-Dichloroethane	10 U
156-59-2	cis-1,2-Dichloroethene	10. U
78-93-3	2-Butanone	10 U
67-66-3	Chloroform	10 U
71-55-6	1,1,1-Trichloroethane	10 U
110-82-7	Cyclohexane	10 U
56-23-5	Carbon Tetrachloride	10 U
71-43-2	Benzene	10 U
107-06-2	1,2-Dichloroethane	10 U

EPA SAMPLE NO.

Lab Name: COMPUCHEM Contract: 68W03021 VBLKAH

b Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34208R

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34208B55

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS: $(ug/L \ or \ ug/Kg) \ \underline{UG/L} \ Q$

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	Ū
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	Ū
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
· 75-25 - 2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	Ū
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

FORM I VOA-2

1F

VOLATILE ORGANICS ANALYSIS DATA SHEE' TENTATIVELY IDENTIFIED COMPOUNDS

ľΤ		
	VBLKAH	

EPA SAMPLE NO.

Lah	Name:	COMPUCHEM

Contract: 68W03021

i S		VBLKAH
	.	

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E009

Matrix: (soil/water) WATER

Lab Sample ID: 34208R

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 34208B55

Level: (low/med) LOW

Date Received:

% Moisture: not dec. _____

Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 5

(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	LABORATORY ARTIFACT	17.52	======================================	==== J
<u>1.</u>	UNKNOWN	18.02	7	J
3.	UNKNOWN	18.04	8	J
4.	LABORATORY ARTIFACT	18.98	17	IJ
5.	LABORATORY ARTIFACT	20.78	14	J
<u>5.</u>				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.			•.	<u> </u>
23.				1
24.				
25.				
26.				
27.				1
28.				1
29.				

EPA SAMPLE NO.

VBLKHB

Lab Name: COMPUCHEM

Contract: 68W03021

Lar Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34209

Sample wt/vol: 5

(g/mL) ML

Lab File ID: 34209A55

Date Received:

Level: (low/med) LOW

Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm)

% Moisture: not dec.

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume:____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L Q
	Dichlorodifluoromethane	10 U
75-71-8	Chloromethane	10 U
74-87-3	Vinyl Chloride	10 U
75-01-4		10 U
74-83-9	Bromomethane	10 U
75-00-3	Chloroethane	10 U
75-69-4	Trichlorofluoromethane	10 U
75-35-4	1,1-Dichloroethene	10 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10 U
67-64-1	Acetone	10 U
75-15-0	Carbon Disulfide	10 U
79-20-9	Methyl Acetate	4 J
75-09-2	Methylene Chloride	10 U
156-60-5	trans-1,2-Dichloroethene	10 U
$\frac{1634-04-4}{1634-04-4}$	Methyl tert-Butyl Ether	
75-34-3	1.1-Dichloroethane	
156-59-2	cis-1,2-Dichloroethene	
78-93-3	2-Butanone	
67-66-3	Chloroform	10 U
71-55-6	1,1,1-Trichloroethane	10 U
	Cyclohexane	10 U
110-82-7	Carbon Tetrachloride	10 U
56-23-5	Benzene	10 U
71-43-2	1,2-Dichloroethane	10 U
107-06-2	1,2-Dicitoroechanc	

EPA SAMPLE NO.

VBLKHB

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

(g/mL) ML

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34209

Sample wt/vol:

5

Lab File ID: 34209A55

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec.

Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

79-01-6	Trichloroethene	10	U .
108-87-2	Methylcyclohexane	1.0	Ŭ
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	U
	Toluene	10	U
108-88-3	trans-1,3-Dichloropropene	10	U
10061-02-6	1,1,2-Trichloroethane	10	U
79-00-5	Tetrachloroethene	1.0	Ū
127-18-4	2-Hexanone	10	U
591-78-6	Dibromochloromethane	10	U
124-48-1	1,2-Dibromoethane	10	U.
106-93-4	Chlorobenzene	10	U
108-90-7		10	U
100-41-4	Ethylbenzene (Total)	10	Ū
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	Ū
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	Ū
120-82-1	1,2,4-Trichlorobenzene		1

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

VBLKHB	

SDG No.: E0098

EPA SAMPLE NO.

Lah	Name:	COMPUCHEM
LICIL	· Ivaille	

Contract: 68W03021

	VBLKHB
1	

Matrix: (soil/water) WATER

Lab Sample ID: 34209

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 34209A55

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

b Code: LIBRTY Case No.: 32934 SAS No.:

Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

Number TICs found: 3

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

1.	COMPOUND NAME LABORATORY ARTIFACT LABORATORY ARTIFACT LABORATORY ARTIFACT	RT ====== 17.46 18.92 20.72	EST. CONC. 6 13	Q ===== J J
1.	LABORATORY ARTIFACT LABORATORY ARTIFACT	17.46 18.92	6 13	J J
2.	LABORATORY ARTIFACT	18.92	13	J
3.	LABORATORY ARTIFACT			
4. 5. 6. 7. 8.				IJ
5. 6. 7. 8.				
7. 8.			,	
8. ±0. 11.		,		
11. 12.				
11. 12.				
11. 12.				
12.				
12.		-		
			***************************************	<u> </u>
14.				
15.	· · · · · · · · · · · · · · · · · · ·			
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				<u> </u>
25. 26.				<u> </u>
27.				-
28.				
29.		1	ı	
30.				

FORM I VOA-TIC

EPA SAMPLE NO.

VHBLKXD

T.ah	Name:	COMPUCHEM
Lab	maine:	

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311504

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311504RA55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec.

Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

•	·		
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	Ū
75-01-4	Vinyl Chloride	10	Ū
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	Ū
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	Ŭ
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	Ü
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	Ū
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	Ü
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	Ū
56-23-5	Carbon Tetrachloride	10	Ü
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	Ū

FORM I VOA-1

EPA SAMPLE NO.

VHBLKXD

Lab Name: COMPUCHEM

Contract: 68W03021

b Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311504

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311504RA55

Date Received: 05/26/04

Level: (low/med) LOW

Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm)

% Moisture: not dec.

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CAS NO.

79-01-6

COMPOUND

Trichloroethene Methylcyclohexane CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

78-87-5	1,2-Dichloropropane	10	<u> </u>
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	Ū
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	1.0	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	Ū
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

FORM I VOA-2

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

VHBLKXD	

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311504

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311504RA55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: ____(uL) Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

Number TICs found: 3 RTEST. CONC. COMPOUND NAME CAS NUMBER ______| LABORATORY ARTIFACT LABORATORY ARTIFACT LABORATORY ARTIFACT 17.42 6 JB U 18.88 17 JB u 20.69 4. <u> 11.</u> 14. 15. 17. 18. 19. 20. 21. 25. 26. 27. 28. 29. 30.

FORM I VOA-TIC

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM

Contract: 68W03021

Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

									~~	
	EPA	S1	S2	S3	S4	S5	\$6	S7	S8	TOT
	SAMPLE NO.	(NBZ)#	(FBP)#	(TPH)#	(PHL)#	(2FP)#	(TBP)#	(2CP)#	(DCB)#	OUT
		=====	=====	=====	======	=====	=====	=====	=====	===
1	SBLKNF	76	8.0	94	73	68	97	76	76	0
52	E0098	70	74	82	69	65	92	75	60	0
3	E0098MS	74	86	72	69	63	101	73	68	0
)4	E0098MSD	74	74	62	68	63	95	71	56	0
55	E00A1	78	84	70	72	67	101	73	62	0
6	E00A2	84	84	66,	76	75	103	81	64	0
7	E00B7	68	76	84 -	64	63	91	69	58	0
. 8	E00C0	72	76	78	68	65	96	72	60	0
9	E00C3	74	78	84	69	67	88	73	64	0
10	E00A6	74	70	62	72	67	81	72	56	0
1										
- 2.										
13 14 15										
- 4										
- 5		 								
-5										
17										
18							-			
19		i								
30				<u> </u>						
30 31										
22	ř.		-							
<u>3</u>										
14			-							
15										
<u> </u>							-			
~ 7		<u> </u>	 	_5;		_				
_ 3		1								
2.9			 				-			
30		+								
_ U		1		L	<u> </u>	\$ *	·	L	1	
						*				

				QC LIMITS	
Sl	(NBZ)	=	Nitrobenzene-d5	(35-114)	•
S2	(FBP)	=	2-Fluorobiphenyl	(43-116)	
S3	(TPH)	=	Terphenyl-d14	(33-141)	
S4	(PHL)	=	Phenol-d5	(10-110)	
				(21-110)	
S6	(TBP)	=	2,4,6-Tribromophenol	(10-123)	
			2-Chlorophenol-d4	(33-110)	(advisory)
S8	(DCB)	=	1,2-Dichlorobenzene-d4	(16-110)	(advisory)

[#] Column to be used to flag recovery values
* Values outside of contract required QC limits

page 1 of 1

FORM II SV-1

D Surrogate diluted out

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix Spike - EPA Sample No.: E0098

	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %	QC. LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC #	REC.
Phenol	75	0	60	80	12-110
2-Chlorophenol	75	0	60	80	27-123
N-Nitroso-di-n-prop.(1)	50	. 0	49	98	41-116
4-Chloro-3-methylphenol	75	0	69	92	23 - 97
Acenaphthene	50	0	51	102	46-118
4-Nitrophenol	75	0	75	100*	10- 80
2,4-Dinitrotoluene	50	00	48	96	24 - 96
Pentachlorophenol	75	. 0	81	108*	9-103
Pyrene	50	0	44	88	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC L.	IMITS REC.
Phenol	75	55	73	9	42	12-11
2-Chlorophenol	. 75	55	73	9	40	27-123
N-Nitroso-di-n-prop.(1)	50	45	90	9	38	41-116
4-Chloro-3-methylphenol	75	58	77	18	42	23 - 97
Acenaphthene	50	42	84	19	31_	46-118
4-Nitrophenol	75	67	89*	12	50	10- 80
2,4-Dinitrotoluene	50	43	. 86	11	38	24 - 96
Pentachlorophenol	75	68	91	17	50_	9-103
Pyrene	50	35	70	23	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 9 outside limits Spike Recovery: 3 out of 18 outside limits

COMMENTS.	COMMENTS	:
-----------	----------	---

FORM III SV-1

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKNF	

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934

SAS No.:

SDG No.: E0098

Lab File ID: 34543A70

Lab Sample ID: 34543

Instrument ID: 5972HP70

Date Extracted: 05/28/04

Matrix: (soil/water) WATER

Date Analyzed: 06/01/04

Level: (low/med) LOW

Time Analyzed: 1002

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	LAB	DATE
N/C	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	======================================	211701	211701770	06/01/04
01 02	E0098 E0098MS	311701 34544	311701A70 34544A70	06/01/04 06/01/04
03	E0098MSD	34545	34544A70 34545A70	06/01/04 06/01/04
04	E0098MSD E00A1	311702	311702A70	06/01/04
05	E00A1	311703	311702A70	06/01/04
06	E00B7	311705	311705A70	06/01/04
07	E00C0	311707	311707A70	06/01/04
08	E00C3	311709	311709A70	06/01/04
09	E00A6	311704	311704D2A70	06/01/04
10				
11				
12				
13		``		
14			· ·	
15			·	
16				
17	-			
18 19				· · · · · · · · · · · · · · · · · · ·
20				
21		·		
22				
23		2		
24				
25				
26				
27		,		
2.8				
29				
30				

COMMENTS:	

page 1 of 1

FORM IV SV

E0098

EPA SAMPLE NO.

Lab File ID: 311701A70

Contract: 68W03021 Lab Name: COMPUCHEM

Concentrated Extract Volume: 1000(uL)

SDG No.: E0098 Lab Code: LIBRTY Case No.: 32934 SAS No.:

Lab Sample ID: 311701 Matrix: (soil/water) WATER

Sample wt/vol: 1000 (g/mL) ML Date Received: 05/26/04

Level: (low/med) LOW

% Moisture: ____ decanted: (Y/N)___ Date Extracted: 05/28/04 Date Analyzed: 06/01/04

Dilution Factor: 1.0 Injection Volume: 2.0(uL)

Extraction: (Type) CONT GPC Cleanup: (Y/N) N pH: ____

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q CAS NO. COMPOUND

CAD NO.		· 5, 5, <u>-</u>	
100-52-7	Benzaldehyde	10	Ū
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	Ū
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	Ū
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U ,
78-59-1	Isophorone	10	Ū
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	Ū
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	Ū
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	· U
91-57-6	2-Methylnaphthalene	10	Ū
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	·U
92-52-4	1,1'-Biphenyl	10	Ū
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	. 25	U
83-32-9	Acenaphthene	10	U

FORM I SV-1

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0098

Contract: 68W03021 Lab Name: COMPUCHEM

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311701

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 311701A70

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: decanted: (Y/N)____

Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL)

o Code: LIBRTY Case No.: 32934 SAS No.:

Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

25 U 10 Ū 132-64-9 Dibenzofuran 121-14-2 2,4-Dinitrotoluene 84-66-2 | Diethylphthalate 10 10 86-73-7 Fluorene 7005-72-3 4-Chlorophenyl-phenylether 10 25 100-01-6 4-Nitroaniline 534-52-1 4,6-Dinitro-2-methylphenol 25 | U 86-30-6 N-nitrosodiphenylamine (1) 10 TT 101-55-3 4-Bromophenyl-phenylether 118-74-1 Hexachlorobenzene 10 1912-24-9 Atrazine 10 IJ 87-86-5 Pentachlorophenol 85-01-8 Phenanthrene 120-12-7 Anthracene 10 IJ 86-74-8 Carbazole 10 IJ 84-74-2 Di-n-butylphthalate 10 TT 206-44-0 Fluoranthene 10 129-00-0 | Pyrene 10 85-68-7 Butylbenzylphthalate 10 U 3,3'-Dichlorobenzidine 91-94-1 10 Ū 56-55-3 Benzo (a) anthracene 10 218-01-9 Chrysene 10 IJ 117-81-7 bis(2-Ethylhexyl)phthalate 10 IJ 117-84-0 | Di-n-octylphthalate 10 205-99-2 Benzo(b) fluoranthene 10 U 205-99-2 Benzo(b) Fluoranthene
207-08-9 Benzo(k) fluoranthene
50-32-8 Benzo(a) pyrene
193-39-5 Indeno(1,2,3-cd) pyrene
53-70-3 Dibenzo(a,h) anthracene 10 10 10 Ħ 10 TI 191-24-2 | Benzo(g,h,i)perylene 10 Ū

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

TENTATIVELY IDENTIFIED COMPOUNDS

E0098 Contract: 68W03021 Lab Name: COMPUCHEM

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Lab Sample ID: 311701 Matrix: (soil/water) WATER

Lab File ID: 311701A70 Sample wt/vol: 1000 (g/mL) ML

Date Received: 05/26/04 Level: (low/med) LOW

% Moisture: ____ Decanted: (Y/N)____ Date Extracted: 05/28/04

Date Analyzed: 06/01/04 Concentrated Extract Volume: 1000(uL)

Dilution Factor: 1.0 Injection Volume: 2.0(uL)

Extraction: (Type) CONT GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

(uq/L or uq/Kg) UG/L Number TICs found: 0

CAS NUMBER COMPOUND NAME RT EST. CONC. Q 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 24. 25.					
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 20. 21. 20. 21. 22. 23. 24. 25. 26. 27.	CAC NIIMBER	COMPOUND NAME	RT	EST. CONC.	0
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27.					
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27.	İ				
3. 4					
4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27.	3.				
5. 6. 7. 8. 8. 9. 10. 11. 12. 13. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 10.					
6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25.	5.				
7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27.	6.				
9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27.	7.				
10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27.	8.				
11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27.	9.				
14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27.	10.				
14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27.	11.	· · · · · · · · · · · · · · · · · · ·		. ,	
14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27.	12.				
16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26.	13.				
16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26.	14.	· · · · · · · · · · · · · · · · · · ·			
17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27.	15.	the state of the s			
18. 19. 20. 21. 22. 23. 24. 25. 26. 27.	16.				_
19. 20. 21. 22. 23. 24. 25. 26. 27.	17.				
21. 22. 23. 24. 25. 26. 27.	18.				
21. 22. 23. 24. 25. 26. 27.	19.				
24. 25. 26. 27.	20.			·	
24. 25. 26. 27.	21.				
24. 25. 26. 27.	44.				
25. 26. 27.	23.	The state of the s			
26. 27.	24.				<u> </u>
27.	26				
21.	27				
	$\frac{27}{28}$.		· ·		
29.	29				
30.	30				

FORM I SV-TIC

EPA SAMPLE NO.

E0098MS

Lab Name: COMPUCHEM

Contract: 68W03021

Lal Tode: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34544

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 34544A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___

Date Extracted: 05/28/04

Concentrated Extract Volume:

1000(uL)

Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

рН:____

Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/I or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/kg) og	<u> </u>
		10	Ū
100-52-7	Benzaldehyde	60	
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	60	
95-57-8	2-Chlorophenol	10	Ū
95-48-7	2-Methylphenol	10	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	10	Ū
98-86-2	Acetophenone	10	Ū
106-44-5	4-Methylphenol	49	
621-64-7	N-Nitroso-di-n-propylamine	10	Ū
7-72-1	Hexachloroethane	10	Ū
- 95-3 - 8-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	Ū
88-75-5	2-Nitrophenol		U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	Ü
87-68-3	Hexachlorobutadiene	10	U
	Caprolactam	10	U
105-60-2	4-Chloro-3-methylphenol	69	
59-50-7	2-Methylnaphthalene	10	Ū
91-57-6	Hexachlorocyclopentadiene	10	Ū
77-47-4	2,4,6-Trichlorophenol	10	U
88-06-2	2,4,6-IIICIIOIOphenol	25	Ū
95-95-4	2,4,5-Trichlorophenol	10	U .
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	25	U
88-74-4	2-Nitroaniline	10	Ū
131-11-3	Dimethylphthalate	10	Ū
606-20-2	2,6-Dinitrotoluene	10	Ü
208-96-8	Acenaphthylene	25	U
99-09-2	3-Nitroaniline	51	+
83-32-9	Acenaphthene	51	
			OT MO 4

FORM I SV-1

EPA SAMPLE NO.

E0098MS Contract: 68W03021 Lab Name: COMPUCHEM

SDG No.: E0098 Lab Code: LIBRTY Case No.: 32934 SAS No.:

Lab Sample ID: 34544 Matrix: (soil/water) WATER

Lab File ID: 34544A70 Sample wt/vol: 1000 (g/mL) ML

Date Received: 05/26/04 Level: (low/med) LOW

Date Extracted: 05/28/04 % Moisture: ____ decanted: (Y/N)___

1000(uL) Date Analyzed: 06/01/04 Concentrated Extract Volume:

Dilution Factor: 1.0 Injection Volume: 2.0(uL)

Extraction: (Type) CONT GPC Cleanup: (Y/N) N pH: ____

CONCENTRATION UNITS: (uq/L or ug/Kg) UG/L Q CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	25	Ū
100-02-7	4-Nitrophenol	75	
132-64-9	Dibenzofuran	10	Ū
121-14-2	2.4-Dinitrotoluene	48	
84-66-2	Diethylphthalate	10	Ū
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	Ū
100-01-6	4-Nitroaniline	25	Ū
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	Ū
101-55-3	4-Bromophenyl-phenylether	10	U .
118-74-1	Hexachlorobenzene	10	Ū
1912-24-9	Atrazine	10	U.
87-86-5	Pentachlorophenol	81	E
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	Ų
86-74-8	Carbazole	10	Ū
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	44	
85-68-7	Butylbenzylphthalate	10	Ū
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	Ü
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
(1) - Ca	annot be separated from Diphenylamine		

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

EPA SAMPLE NO.

E0098MSD

Lab Name: COMPUCHEM

Contract: 68W03021

b Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34545

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 34545A70

Level: (low/med)

LOW

Date Received: 05/26/04

% Moisture: decanted: (Y/N)____

Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Extraction: (Type) CONT

CAS NO. COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

100-52-7 Benzaldehyde				
111-44-4 bis(2-Chloroethyl)ether	100-52-7	Benzaldehyde	,	Ū
95-57-8 2-Chlorophenol 55 95-48-7 2-Methylphenol 10 U 108-60-1 2,2'-oxybis(1-chloropropane) 10 U 98-86-2 Acetophenone 10 U 106-44-5 4-Methylphenol 10 U 621-64-7 N-Nitroso-di-n-propylamine 45 67-72-1 Hexachloroethane 10 U 98-95-3 Nitrobenzene 10 U 78-59-1 Isophorone 10 U 88-75-5 2-Nitrophenol 10 U 105-67-9 2,4-Dichloroethoxy)methane 10 U 112-91-1 bis(2-Chloroethoxy)methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 58 91-57-6 2-Methylnaphthalene 10		Phenol	55	
95-48-7 2-Methylphenol 10 U 108-60-1 2,27-oxybis(1-Chloropropane) 10 U 98-86-2 Acetophenone 10 U 106-44-5 4-Methylphenol 10 U 621-64-7 N-Nitroso-di-n-propylamine 45 67-72-1 Hexachloroethane 10 U 98-95-3 Nitrobenzene 10 U 78-59-1 Isophorone 10 U 88-75-5 2-Nitrophenol 10 U 105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis(2-Chloroethoxy) methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 91-57-6 2-Methylnaphthalene 10 U 91-57-6 2-Methylnaphthalene 10 U 92-52-4 1,1'-Biphenyl	111-44-4	bis(2-Chloroethyl)ether	10	Ū
108-60-1	95-57-8	2-Chlorophenol	55	
98-86-2 Acetophenone 10 U 106-44-5 4-Methylphenol 10 U 621-64-7 N-Nitroso-di-n-propylamine 45 67-72-1 Hexachloroethane 10 U 98-95-3 Nitrobenzene 10 U 78-59-1 Isophorone 10 U 88-75-5 2-Nitrophenol 10 U 105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis (2-Chloroethoxy) methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 91-57-6 2-Methylnaphthalene 10 U 91-57-6 2-Methylnaphthalene 10 U 92-52-4 1,1-Biphenyl 10 U 92-52-4 1,1-Biphenyl	95-48-7	2-Methylphenol	10	
106-44-5 4-Methylphenol 10 U 621-64-7 N-Nitroso-di-n-propylamine 45 67-72-1 Hexachloroethane 10 U 98-95-3 Nitrobenzene 10 U 78-59-1 Isophorone 10 U 88-75-5 2-Nitrophenol 10 U 105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis (2-Chloroethoxy) methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 87-68-3 Hexachlorobutadiene 10 U 87-68-3 Hexachlorobutadiene 10 U 91-57-6 Caprolactam 10 U 91-57-6 2-Methylnaphthalene 10 U 97-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 92-52-4 1,1'-Biphenyl		2,2'-oxybis(1-Chloropropane)	10	
621-64-7 N-Nitroso-di-n-propylamine 45 67-72-1 Hexachloroethane 10 U 98-95-3 Nitrobenzene 10 U 78-59-1 Isophorone 10 U 10 10 U 10 10 10	98-86-2	Acetophenone	10	
10 0	106-44-5	4-Methylphenol	10	Ū
98-95-3 Nitrobenzene 10 U 78-59-1 Isophorone 10 U 88-75-5 2-Nitrophenol 10 U 105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis(2-Chloroethoxy) methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 58 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimeth			45	
78-59-1 Isophorone 10 U 88-75-5 2-Nitrophenol 10 U 105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis(2-Chloroethoxy)methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 58 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 25 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotolu		Hexachloroethane	10	
88-75-5 2-Nitrophenol 10 U 105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis(2-Chloroethoxy) methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 58 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 25 U 88-74-4 2-Nitroaniline 25 U 88-74-4 2-Nitroaniline 25 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphth			10	
105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis (2-Chloroethoxy) methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 58 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 208-96-8 Acenaphthylene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitro			10	
111-91-1 bis(2-Chloroethoxy) methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 58 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 25 U 92-59-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			. 10	
120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 58 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 25 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			10	
91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 58 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 25 U 92-52-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			10	
106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 58 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			10	
87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 58 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			10	U
105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 58 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			10	Ū
59-50-7 4-Chloro-3-methylphenol 58 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U		Hexachlorobutadiene	10	U
91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U		Caprolactam	10	Ū
77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			58	
88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U	91-57-6		10	Ū
95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U	77-47-4		10	
92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			10	Ū
91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			25	Ū
88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			10	
131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			10	Ū
606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			25	Ū
208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U	1		10	Ū
99-09-2 3-Nitroaniline 25 U			10	U
			10	U I
83-32-9 Acenaphthene 42		3-Nitroaniline	25	Ū
	83-32-9	Acenaphthene		

FORM I SV-1

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0098MSD

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34545

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 34545A70

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: decanted: (Y/N) Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.

COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

25 U 51-28-5 2,4-Dinitrophenol 100-02-7 4-Nitrophenol 132-64-9 Dibenzofuran 10 121-14-2 2,4-Dinitrotoluene 43 84-66-2 Diethylphthalate 86-73-7 Fluorene 7005-72-3 4-Chlorophenyl-phenylether 10 100-01-6 4-Nitroaniline 534-52-1 86-30-6 4,6-Dinitro-2-methylphenol N-nitrosodiphenylamine (1) 101-55-3 4-Bromophenyl-phenylether Hexachlorobenzene 118-74-1 1912-24-9 Atrazine 10 87-86-5 | Pentachlorophenol 68 85-01-8 Phenanthrene 10 120-12-7 Anthracene 86-74-8 | Carbazole 84-74-2 Di-n-butylphthalate 206-44-0 Fluoranthene 10 129-00-0 Pyrene 85-68-7 Butylbenzylphthalate 91-94-1 56-55-3 3,3'-Dichlorobenzidine Benzo(a)anthracene 218-01-9 Chrysene 117-81-7 bis(2-Ethylhexyl)phthalate 117-84-0 Di-n-octylphthalate 10 205-99-2 Benzo(b)fluoranthene 10 207-08-9 Benzo(k) fluoranthene 10 50-32-8 Benzo(a)pyrene 10 193-39-5 Indeno(1,2,3-cd)pyrene 10 U 53-70-3 Dibenzo(a,h)anthracene 10 Ū 191-24-2 | Benzo(g,h,i)perylene 10

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

E00A1

Contract: 68W03021 Lab Name: COMPUCHEM

Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311702

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311702A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: ____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Dilution Factor: 1.0 Injection Volume: 2.0(uL)

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

		(ug/11 of ug/11g/ ot	<u>-7</u>
100-52-7	Benzaldehyde	10	Ū
108-95-2	Phenol	10	Ū
111-44-4	bis(2-Chloroethyl)ether	10	Ū
95-57-8	2-Chlorophenol	10	Ū
95-48-7	2-Methylphenol	10	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	10	Ū
98-86-2	Acetophenone	10	Ū
106-44-5	4-Methylphenol	10	Ū
621-64-7	N-Nitroso-di-n-propylamine	10	Ū
67-72-1	Hexachloroethane	10	Ū
98-95-3	Nitrobenzene	10	Ū
78-59-1	Isophorone	10	Ū
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	Ū
111-91-1	bis(2-Chloroethoxy)methane	1.0	Ū
120-83-2	2,4-Dichlorophenol	10	Ū
91-20-3	Naphthalene	10	Ū
106-47-8	4-Chloroaniline	10	Ū
87-68-3	Hexachlorobutadiene	10	Ū
105-60-2	Caprolactam	10	Ū
59-50-7	4-Chloro-3-methylphenol	10	Ū
91-57-6	2-Methylnaphthalene	10	Ū
77-47-4	Hexachlorocyclopentadiene	10	Ū
88-06-2	2,4,6-Trichlorophenol	10	Ū
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	Ū
91-58-7	2-Chloronaphthalene	10	Ū
88-74-4	2-Nitroaniline	. 25	Ü
131-11-3	Dimethylphthalate	10	Ū
606-20-2	2,6-Dinitrotoluene	10	Ū
208-96-8	Acenaphthylene	10	Ū
99-09-2	3-Nitroaniline	25	Ū
83-32-9	Acenaphthene	10	U

FORM I SV-1

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00A1

Contract: 68W03021 Lab Name: COMPUCHEM

SDG No.: E0098 Lab Code: LIBRTY Case No.: 32934 SAS No.:

Lab Sample ID: 311702 Matrix: (soil/water) WATER

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311702A70

Level: (low/med) LOW Date Received: 05/26/04

Date Extracted: 05/28/04 % Moisture: decanted: (Y/N)____

Date Analyzed: 06/01/04 Concentrated Extract Volume: 1000(uL)

Dilution Factor: 1.0 Injection Volume: 2.0(uL)

GPC Cleanup: (Y/N) N Extraction: (Type) CONT pH:

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	25	: U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	Ū
86-73-7	Fluorene	10	Ŭ
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	Ū
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	Ū
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	Ū
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	Ü .
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	
117-84-0	Di-n-octylphthalate	10	Ū
205-99-2	Benzo(b)fluoranthene	10	Ū
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	Ū
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	Ū
191-24-2	Benzo(g,h,i)perylene	10	Ū
/			

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Contract: 68W03021

E00A1

Lab Name: COMPUCHEM

Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311702

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 311702A70

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/28/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

Extraction: (Type) CONT

GPC Cleanup: (Y/N) N

pH: ____

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CÓNC.	Q
1. 21400-25-9	1-PROPENE, 1,1,2-TRICHLORO-	6.91	6	NJ V
2. 3.				
3.				
4. 5. 6.				
<u>5.</u>				
9.				·
10.		•		
11.				
12. 13.				
14.				
15.				
16.				
17. 18.				
18.				
19. 20.				
21.				
22.				
22.				
24.				
25.				
26. 27. 28.				
27.				
20.	1. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.			
29. 30.				

FORM I SV-TIC

E00A2

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

:Hq

Lab Sample ID: 311703

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 311703A70

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: ____ decanted: (Y/N)___

Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

Extraction: (Type) CONT

COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
	D I debude	10	Ū
100-52-7	Benzaldehyde	10	. U
108-95-2	Phenol	10	Ū
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	10	Ū
98-86-2	Acetophenone	10	Ū
106-44-5	4-Methylphenol	10	Ū
621-64-7	N-Nitroso-di-n-propylamine	10	- U
67-72-1	Hexachloroethane	10	Ū
98-95-3	Nitrobenzene	10	Ū
78-59-1	Isophorone	10	Ū
88-75-5	2-Nitrophenol	10	- U
105-67-9	2,4-Dimethylphenol	10	Ū
111-91-1	bis(2-Chloroethoxy)methane	10	Ū
120-83-2	2,4-Dichlorophenol	10	Ū
91-20-3	Naphthalene	10	- Ū
106-47-8	4-Chloroaniline	10	Ū
87-68-3	Hexachlorobutadiene	10	- U
105-60-2	Caprolactam	10	Ū
59-50-7	4-Chloro-3-methylphenol	10	Ū
91-57-6	2-Methylnaphthalene		Ū
77-47-4	Hexachlorocyclopentadiene	10	Ū
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	
88-74-4	2-Nitroaniline	25	Ü
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	1.0	U
1			

FORM I SV-1

SDG No.: E0098

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00A2

Lab Name: COMPUCHEM

Contract: 68W03021

Matrix: (soil/water) WATER

Code: LIBRTY Case No.: 32934 SAS No.:

Lab Sample ID: 311703

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 311703A70

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: ____ decanted: (Y/N)____

Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Extraction: (Type) CONT

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol .	25	Ü
132-64-9	Dibenzofuran	10	Ü
121-14-2	2,4-Dinitrotoluene	10	Ü
84-66-2	Diethylphthalate	10	Ü
		10	Ü
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	25	Ū
100-01-6	4-Nitroaniline	25	Ū
534-52-1	4,6-Dinitro-2-methylphenol		Ü
86-30-6	N-nitrosodiphenylamine (1)	10	
101-55-3	4-Bromophenyl-phenylether	10	Ū
118-74-1	Hexachlorobenzene	10	Ū
1912-24-9	Atrazine	10	Ū
87-86-5	Pentachlorophenol	25	Ū
85-01-8	Phenanthrene	10	Ū
120-12-7	Anthracene	10	U
^ · 86 - 74 - 8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	Ū
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	1.0	Ü
85-68-7	Butylbenzylphthalate	10	Ū
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	Ū
218-01-9	Chrysene	10	Ū
117-81-7	bis(2-Ethylhexyl)phthalate	8	J
117-84-0	Di-n-octylphthalate	10	Ū
205-99-2	Benzo(b)fluoranthene	10	Ū
207-08-9	Benzo(k)fluoranthene	10	Ū
50-32-8	Benzo(a) pyrene	10	Ū
193-39-5	Indeno(1,2,3-cd)pyrene	10	Ū
53-70-3	Dibenzo(a,h)anthracene	10	Ū
191-24-2	Benzo(q,h,i)perylene	10	Ū
	annot be separated from Diphenylamine		<u> </u>

FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Contract: 68W03021 Lab Name: COMPUCHEM

E00A2

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311703

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 311703A70

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: _____ Decanted: (Y/N)____

Date Extracted:05/28/04

Date Analyzed: 06/01/04 Concentrated Extract Volume: 1000(uL)

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

Extraction: (Type) CONT

GPC Cleanup: (Y/N) N

pH:

CONCENTRATION UNITS:

Number TICs found: 4

(uq/L or uq/Kq) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1.	UNKNOWN	6.74	2	J
2.	UNKNOWN	6.91	7	JE U
3.	UNKNOWN AMIDE	21.66	10	J
4.	UNKNOWN AMIDE	23.64	14	JB U
5.				
6.				9
7.				1/11/2/10
8.				Ø
9.	·			
10.				
11.			· ·	
12.				
13.				
14.				
15.				
16.				
17. 18.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.	477777			
30.				

FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A6

Lab Name: COMPUCHEM Contract: 68W03021

b Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311704

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311704D2A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: decanted: (Y/N) Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

	the contract of the contract o	. 5, 5,	<u>~</u> ~
100-52-7	Benzaldehyde	50	Ū
108-95-2	Phenol	50	Ū
111-44-4	bis(2-Chloroethyl)ether	50	Ū
95-57-8	2-Chlorophenol	50	Ū
95-48-7	2-Methylphenol	50	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	50	Ū
98-86-2	Acetophenone	50	Ū
106-44-5	4-Methylphenol	5.0	Ū
621-64-7	N-Nitroso-di-n-propylamine	50	U
67-72-1	Hexachloroethane	50	Ū
98-95-3	Nitrobenzene	50	· U
78-59-1	Isophorone	50	U
88-75-5	2-Nitrophenol	. 50	Ū
105-67-9	2,4-Dimethylphenol	50	U
111-91-1	bis(2-Chloroethoxy)methane	50	Ū
120-83-2	2,4-Dichlorophenol	50	Ū
91-20-3	Naphthalene	110	
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	. 50	Ū
105-60-2	Caprolactam	50	Ū
59-50-7	4-Chloro-3-methylphenol	50	U
91-57-6	2-Methylnaphthalene	230	-
77-47-4	Hexachlorocyclopentadiene	50	Ū
88-06-2	2,4,6-Trichlorophenol	50	Ū
95-95-4	2,4,5-Trichlorophenol	130	U
92-52-4	1,1'-Biphenyl	50	Ū
91-58-7	2-Chloronaphthalene	50	Ū
88-74-4	2-Nitroaniline	130	U
131-11-3	Dimethylphthalate .	50	U
606-20-2	2,6-Dinitrotoluene	5.0	Ū
208-96-8	Acenaphthylene	50	U
99-09-2	3-Nitroaniline	130	Ū
83-32-9	Acenaphthene	24	J

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00A6

Contract: 68W03021 Lab Name: COMPUCHEM

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Lab File ID: 311704D2A70

Matrix: (soil/water) WATER

Sample wt/vol: 1000 (g/mL) ML

Lab Sample ID: 311704

Date Received: 05/26/04 Level: (low/med)

% Moisture: _____ decanted: (Y/N)____ Date Extracted: 05/28/04

Date Analyzed: 06/01/04 Concentrated Extract Volume: 1000(uL)

Dilution Factor: 5.0 Injection Volume: 2.0(uL)

Extraction: (Type) CONT GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q CAS NO. COMPOUND

		_	
51-28-5	2,4-Dinitrophenol	130	Ū
100-02-7	4-Nitrophenol	130	U
132-64-9	Dibenzofuran	50	Ū
121-14-2	2,4-Dinitrotoluene	50	U
84-66-2	Diethylphthalate	50	Ū
86-73-7	Fluorene	40	J
7005-72-3	4-Chlorophenyl-phenylether	50	U
100-01-6	4-Nitroaniline	130	Ŭ.
534-52-1	4,6-Dinitro-2-methylphenol	130	U .
86-30-6	N-nitrosodiphenylamine (1)	50	Ū
101-55-3	4-Bromophenyl-phenylether	50	Ū
118-74-1	Hexachlorobenzene	50	Ū
1912-24-9	Atrazine	50	Ū
87-86-5	Pentachlorophenol	130	U
85-01-8	Phenanthrene	130	
120-12-7	Anthracene	22	J
86-74-8	Carbazole	50	U
84-74-2	Di-n-butylphthalate	50	U
206-44-0	Fluoranthene	16	J
129-00-0	Pyrene	66	
85-68-7	Butylbenzylphthalate	50	Ŭ
91-94-1	3,3'-Dichlorobenzidine	50	Ū
56-55-3	Benzo(a)anthracene	. 25	J
218-01-9	Chrysene	39	J
117-81-7	bis(2-Ethylhexyl)phthalate	50	Ū
117-84-0	Di-n-octylphthalate	50	U
205-99-2	Benzo(b)fluoranthene	.50	U
207-08-9	Benzo(k)fluoranthene	50	U
50-32-8	Benzo(a)pyrene	15	J
193-39-5	Indeno(1,2,3-cd)pyrene	50	U
53-70-3	Dibenzo(a,h)anthracene	50	U
191-24-2	Benzo(g,h,i)perylene	50	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E00A6

Lab Name: COMPUCHEM

Contract: 68W03021

L Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311704

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 311704D2A70

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: ____ Decanted: (Y/N)___ Date Extracted:05/28/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CONCENTRATION UNITS:

Number TICs found: 30

(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q -
	NAPHTHALENE, 2-METHYL-	12.73	170	
1. 91-57-6	NAPHTHALENE, 2-METHILD	13.82	81	NJ
2. 1127-76-0	NAPHTHALENE, 2,6-DIMETHYL-	13.98	140	
3. 581-42-0	NAPHTHALENE, 2,3-DIMETHYL-	14.18	180	
4. 581-40-8	NAPHTHALENE, 2,6-DIMETHYL-	14.22	110	
5. 581-42-0	NAPHTHALENE, 2,3-DIMETHYL-	14.44		NJ
6. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	14.63	55	NJ
581-40-8	NAPHTHALENE, 1,4,6-TRIMETHYL	15.23	66	NJ
2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	15.50	60	NJ
9. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	15.56	77	NJ
10. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	15.77	67	NJ
11. 2131-42-2	NAPHTHALENE, 1,4,0 TRIMETHYL	15.97	67	NJ
12. 2245-38-7	UNKNOWN	16.39	55	J
13. 14. 2523-37-7	9H-FLUORENE, 9-METHYL-	16.47	65	NJ
	UNKNOWN	16.96	56	J
15.	UNKNOWN	17.38	74	J
16. 17. 1730-37-6	9H-FLUORENE, 1-METHYL-	17.62	71	NJ
	DIBENZOTHIOPHENE, 3-METHYL-	18.93	62	NJ
18. 16587-52-3 19. 613-12-7	ANTHRACENE, 2-METHYL-	19.24	150	NJ
$\begin{bmatrix} -19. & 613-12-7 \\ -20. & 779-02-2 \end{bmatrix}$	ANTHRACENE, 9-METHYL-	19.28	110	NJ
21.	INKNOWN	19.34	51	J
22. 613-12-7	ANTHRACENE, 2-METHYL-	19.42	100	NJ
23. 779-02-2	ANTHRACENE, 9-METHYL-	19.46	81	NJ
24. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	19.97	77	NJ
25. 1576-67-6	PHENANTHRENE, 3,6-DIMETHYL-	20.03	76	NJ
26. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	20.16	150	NJ
27.	UNKNOWN	20.20	110	J.
28.	UNKNOWN	20.29	58	J
29. 217-59-4	TRIPHENYLENE	22.39	57	NJ
30. 1705-85-7	CHRYSENE, 6-METHYL-	22.95	55	NJ
30. 1/05-85-/	CULTORING, O LIGHTITE	22.77	. 33	12.0

FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00B7

Contract: 68W03021 Lab Name: COMPUCHEM

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311705 Lab File ID: 311705A70

Sample wt/vol:

Date Received: 05/26/04

% Moisture: decanted: (Y/N)

Level: (low/med) LOW

1000 (g/mL) ML

Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/L Q

100-52-7 Benzaldehyde				
111-44-4 bis(2-Chloroethyl)ether	100-52-7	Benzaldehyde	10	. U
95-57-8 2-Chlorophenol 10 U 95-48-7 2-Methylphenol 10 U 108-60-1 2,2'-oxybis(1-Chloropropane) 10 U 98-86-2 Acetophenone 10 U 106-44-5 4-Methylphenol 10 U 621-64-7 N-Nitroso-di-n-propylamine 10 U 67-72-1 Hexachloroethane 10 U 98-95-3 Nitrobenzene 10 U 78-59-1 Isophorone 10 U 88-75-5 2-Nitrophenol 10 U 105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis (2-Chloroethoxy) methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 105-60-2 Caprolactam 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 10 U 95-95-4 2,4,5-Trichloro	108-95-2	Phenol	10	Ū
95-57-8 2-Chlorophenol 10 U 95-48-7 2-Methylphenol 10 U 108-60-1 2,2'-oxybis(1-Chloropropane) 10 U 98-86-2 Acetophenone 10 U 106-44-5 4-Methylphenol 10 U 621-64-7 N-Nitroso-di-n-propylamine 10 U 67-72-1 Hexachloroethane 10 U 98-95-3 Nitrobenzene 10 U 78-59-1 Isophorone 10 U 88-75-5 2-Nitrophenol 10 U 105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis (2-Chloroethoxy) methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 105-60-2 Caprolactam 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 10 U 95-95-4 2,4,5-Trichloro	111-44-4	bis(2-Chloroethyl)ether	10	Ū
95-48-7 2-Methylphenol 10 U 108-60-1 2,2'-oxybis(1-Chloropropane) 10 U 108-60-1 2,2'-oxybis(1-Chloropropane) 10 U 106-44-5 Acetophenone 10 U 106-44-5 4-Methylphenol 10 U 621-64-7 N-Nitroso-di-n-propylamine 10 U 67-72-1 Hexachloroethane 10 U 78-59-3 Nitrobenzene 10 U 78-59-1 Isophorone 10 U 78-59-1 Isophorone 10 U 105-67-9 2,4-Dimethylphenol 10 U 105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis(2-Chloroethoxy)methane 10 U 1120-83-2 2,4-Dichlorophenol 10 U 106-47-8 4-Chloroaniline 10 U 105-60-2 Caprolactam 10 U 105-60-2 Caprolactam 10 U 105-60-2 Caprolactam 10 U 105-7-47-4 Hexachlorocyclopentadiene 10 U 10 10 10 10 10 10	95-57-8		10	1 -
98-86-2 Acetophenone 10 U		2-Methylphenol	10	
106-44-5	108-60-1	2,2'-oxybis(1-Chloropropane)	10	
10	98-86-2	Acetophenone	10	
10 0 0 0 0 0 0 0 0 0	106-44-5	4-Methylphenol		
98-95-3 Nitrobenzene 10 U 78-59-1 Isophorone 10 U 88-75-5 2-Nitrophenol 10 U 105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis(2-Chloroethoxy)methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 10 U 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 25 U 92-52-4 2,4,5-Trichlorophenol 25 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11		N-Nitroso-di-n-propylamine		
78-59-1 Isophorone 10 U 88-75-5 2-Nitrophenol 10 U 105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis(2-Chloroethoxy)methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 105-60-2 Caprolactam 10 U 105-60-2 Caprolactam 10 U 105-60-2 Caprolactam 10 U 105-60-2 Caprolactam 10 U 105-60-2 Caprolactam 10 U 105-60-2 Caprolactam 10 U 105-60-2 Caprolactam 10 U 107-60-2 Caprolactam 10 U 107-7-47-4 Hexachlorocyclopentadiene 10 U 107-47-4 Hexachlorocyclopentadiene 10 <td>67-72-1</td> <td>Hexachloroethane</td> <td>10</td> <td></td>	67-72-1	Hexachloroethane	10	
88-75-5 2-Nitrophenol 10 U 105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis (2-Chloroethoxy) methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 10 U 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 <td></td> <td>Nitrobenzene</td> <td>10</td> <td></td>		Nitrobenzene	10	
105-67-9 2,4-Dimethylphenol 10 U 111-91-1 bis (2-Chloroethoxy) methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 10	78-59-1		10	
111-91-1 bis(2-Chloroethoxy) methane 10 U 120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 10 U 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U				, –
120-83-2 2,4-Dichlorophenol 10 U 91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 10 U 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 208-96-8 Acenaphthylene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			10	
91-20-3 Naphthalene 10 U 106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 10 U 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 25 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U				
106-47-8 4-Chloroaniline 10 U 87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 10 U 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 25 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U				
87-68-3 Hexachlorobutadiene 10 U 105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 10 U 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U				
105-60-2 Caprolactam 10 U 59-50-7 4-Chloro-3-methylphenol 10 U 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U				
59-50-7 4-Chloro-3-methylphenol 10 U 91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U		Hexachlorobutadiene		
91-57-6 2-Methylnaphthalene 10 U 77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U				
77-47-4 Hexachlorocyclopentadiene 10 U 88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			10	
88-06-2 2,4,6-Trichlorophenol 10 U 95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U			10	
95-95-4 2,4,5-Trichlorophenol 25 U 92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U				
92-52-4 1,1'-Biphenyl 10 U 91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U				
91-58-7 2-Chloronaphthalene 10 U 88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U				
88-74-4 2-Nitroaniline 25 U 131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U				_
131-11-3 Dimethylphthalate 10 U 606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U				
606-20-2 2,6-Dinitrotoluene 10 U 208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U				
208-96-8 Acenaphthylene 10 U 99-09-2 3-Nitroaniline 25 U				
99-09-2 3-Nitroaniline 25 U				
				_
83-32-9 Acenaphthene 10 U				
	83-32-9	Acenaphthene		U

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: COMPUCHEM Contract: 68W03021

Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311705

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311705A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: ____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO. COMPOUND CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMECOND	(ug/H OI ug/kg/ ot	<u>3/11</u> Q
51-28-5	2,4-Dinitrophenol	25	Ū
100-02-7	4-Nitrophenol	25	Ū
132-64-9	Dibenzofuran	1.0	Ū
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	Ū
86-73-7	Fluorene	10	Ū
7005-72-3	4-Chlorophenyl-phenylether	1,0	Ū
100-01-6	4-Nitroaniline	25	Ū
534-52-1	4,6-Dinitro-2-methylphenol	25	Ū'
86-30-6	N-nitrosodiphenylamine (1)	10	Ū
	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	Ū
1912-24-9	Atrazine	10	Ū
87-86 - 5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	Ū
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	Ū
84-74-2	Di-n-butylphthalate	10	U .
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	Ū
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	J.
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	- U
207-08-9	Benzo(k)fluoranthene	10	Ū
50-32-8	Benzo(a)pyrene	10	Ū
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
(1)	annot be consisted from Discharge		

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Contract: 68W03021

E00B7

Lab Name: COMPUCHEM

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311705

Sample wt/vol: 1000 (g/mL)

ML

Lab File ID: 311705A70

Level: (low/med)

LOW

Date Received: 05/26/04

% Moisture:

____Decanted: (Y/N)____

Date Extracted:05/28/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

Extraction: (Type) CONT

GPC Cleanup: (Y/N) N

pH:

CONCENTRATION UNITS:

Number TICs found: 7

(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
	UNKNOWN	6.91	5	JB 1.1
2.	UNKNOWN	20.62	3	Ţ
3.	UNKNOWN	21.65	2	J 51
4.	UNKNOWN	21.68	3	उ के
5.	UNKNOWN	21.92	. 7	J
6.	UNKNOWN ALCOHOL	23.11	4.	J
7.	UNKNOWN AMIDE	23.63		JB U
8.				
9.				- 1.15
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

Lab Name: COMPUCHEM Contract: 68W03021

Tob Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311707

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311707A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) $\underline{\text{UG/L}}$ Q

CAD IVO:		(49/2 02 43/119/ 01	2/ 2 ×
100-52-7	Benzaldehyde	10	Ū
108-95-2	Phenol	10	Ū
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	10	Ū
98-86-2	Acetophenone	10	Ū
106-44-5	4-Methylphenol	10	Ū
621-64-7	N-Nitroso-di-n-propylamine	10	Ū
67-72-1	Hexachloroethane	. 10	U
98-95-3	Nitrobenzene	10	Ū
78-59-1	Isophorone	10	Ū
88-75-5	2-Nitrophenol	10	Ū
105-67-9	2,4-Dimethylphenol	10	Ū
111-91-1	bis(2-Chloroethoxy)methane	10	Ū
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	Ū
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	Ū
105-60-2	Caprolactam	10	Ū
59-50-7	4-Chloro-3-methylphenol	10	Ü
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	Ū
95-95-4	2,4,5-Trichlorophenol	25	Ū
92-52-4	1,1'-Biphenyl	10	Ū
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U ·
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	1.0	Ŭ
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	Ŭ
83-32-9	Acenaphthene	10	U

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00C0

Lab Name: COMPUCHEM

Contract: 68W03021

SDG No.: E0098

Case No.: 32934 SAS No.:

Lab Sample ID: 311707

Lab Code: LIBRTY

Matrix: (soil/water) WATER

Sample wt/vol:

Lab File ID: 311707A70

Level: (low/med)

LOW

1000 (g/mL) ML

Date Received: 05/26/04

% Moisture:

decanted: (Y/N)

Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/04

Injection Volume:

2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N)

pH:

Extraction: (Type) CONT

CAS NO.

COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

I			1 +-
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	Ū
132-64-9	Dibenzofuran	1.0	Ū
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	Ū
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	Ū
534-52-1	4,6-Dinitro-2-methylphenol	25	Ū
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	Ū
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	Ū
85-01-8	Phenanthrene	10	Ū
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	Ū
84-74-2	Di-n-butylphthalate	10	Ū
206-44-0	Fluoranthene	10	Ū
129-00-0	Pyrene	10	Ū.
85-68-7	Butylbenzylphthalate	-10	Ū
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a) anthracene	10	Ū
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	3	J
117-84-0	Di-n-octylphthalate	10	Ū
205-99-2	Benzo(b) fluoranthene	10	Ū
207-08-9	Benzo(k) fluoranthene	10	Ū
50-32-8	Benzo(a) pyrene	10	Ū
193-39-5	Indeno(1,2,3-cd)pyrene	10	Ü
53-70-3	Dibenzo(a,h)anthracene	10	Ū
191-24-2	Benzo(g,h,i)perylene	10	Ü
	and he consisted from Disheral and		

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

E00C0

Lab Name: COMPUCHEM

Contract: 68W03021

Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311707

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 311707A70

Level: (low/med)

LOW

Date Received: 05/26/04

% Moisture: _____ Decanted: (Y/N)____

1000(uL)

pH:

Date Extracted: 05/28/04

Concentrated Extract Volume:

Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

Extraction: (Type) CONT

Number TICs found: 2

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=======================================	=======================================	======	=========	=====
1.	UNKNOWN	6.92	4	JBY
<u>1.</u> 2.	UNKNOWN	23.63	6	J
3.				ST
4.				173
5.				W
6.				
_				
ಕ.				
9				
10. 11. 12.				
11.				
12.				
13.				
14.			-	
14. 15.				
16.				
17.				
18.				
19				·
20				
20. 21. 22. 23.				
22				
23				
24				
24. 25.				<u> </u>
26.		 		
27.	•	 		
28.				
29.				
$\frac{29}{30}$.	-			
1_20.		L		

FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00C3

Lab Name: COMPUCHEM

Contract: 68W03021

SDG No.: E0098 Lab Code: LIBRTY Case No.: 32934 SAS No.:

Matrix: (soil/water) WATER

Lab Sample ID: 311709

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311709A70

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: ____ decanted: (Y/N)___

Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO. COMPOUND

99-09-2 3-Nitroaniline

83-32-9 Acenaphthene

CONCENTRATION UNITS: (uq/L or uq/Kq) UG/L Q

10 100-52-7 Benzaldehyde 10 108-95-2. Phenol 10 111-44-4 bis(2-Chloroethyl)ether 95-57-8 2-Chlorophenol 95-48-7 2-Methylphenol 108-60-1 2,2'-oxybis(1-Chloropropane) 98-86-2 Acetophenone 10 106-44-5 4-Methylphenol 10 N-Nitroso-di-n-propylamine 621-64-7 10 Ū Hexachloroethane 67-72-1 Ū 98-95-3 Nitrobenzene 78-59-1 Isophorone 2-Nitrophenol 88-75-5 2,4-Dimethylphenol 105-67-9 U bis(2-Chloroethoxy)methane 111-91-1 120-83-2 2,4-Dichlorophenol 91-20-3 Naphthalene 106-47-8 4-Chloroaniline U 10 87-68-3 Hexachlorobutadiene 10 105-60-2 Caprolactam 10 4-Chloro-3-methylphenol 59-50-7 10 91-57-6 2-Methylnaphthalene 77-47-4 Hexachlorocyclopentadiene 10 88-06-2 2,4,6-Trichlorophenol 10 95-95-4 2,4,5-Trichlorophenol 1,1'-Biphenyl 2-Chloronaphthalene 92-52-4 1.0 91-58-7 88-74-4 10 2-Nitroaniline Ū Ū Dimethylphthalate 10 131-11-3 Ū 606-20-2 2,6-Dinitrotoluene 10 208-96-8 Ū Acenaphthylene 10

FORM I SV-1

OLM04.2

IJ

25

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.

				E00C3
Lab Name:	COMPUCHEM	Contract:	68W03021	

Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311709

Lab File ID: 311709A70 1000 (g/mL) ML Sample wt/vol:

Date Received: 05/26/04 Level: (low/med) LOW

decanted: (Y/N) Date Extracted: 05/28/04 % Moisture:

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

Extraction: (Type) GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	25	Ū
100-02-7	4-Nitrophenol	25	Ū
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	Ū
7005-72-3	4-Chlorophenyl-phenylether	10	Ū
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	Ū
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	Ū
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	Ū
120-12-7	Anthracene	10	U
. 86-74-8	Carbazole	10	Ū
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	Ū
91-94-1	3,3'-Dichlorobenzidine	10	Ū
56-55-3	Benzo(a)anthracene	10	Ū
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	6	J
117-84-0	Di-n-octylphthalate	10	Ū
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	1.0	Ū
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	Ū
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

E00C3

Lab Name: COMPUCHEM

Contract: 68W03021

SDG No.: E0098

Lab Code: LIBRTY Case No.: 32934 SAS No.:

Lab Sample ID: 311709

Sample wt/vol: 1000 (g/mL) ML

Matrix: (soil/water) WATER

Lab File ID: 311709A70

Level: (low/med)

LOW

Date Received: 05/26/04

% Moisture:

Decanted: (Y/N)

Date Extracted: 05/28/04

Concentrated Extract Volume:

1000(uL)

Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
		=======	=========	=====
1.	UNKNOWN	6.91	4	JBU
2.	UNKNOWN AMIDE	23.63	4	JBU
3.				
4.				05
5.				37 -104
6.				6/2/1
6. 7.				:
8.				
9.				
10.				
11.		,		
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				,
26.				
27.	-			
28.				
29.				
30.				

FORM I SV-TIC

SBLKNF

Contract: 68W03021 Lab Name: COMPUCHEM

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34543

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 34543A70

Level: (low/med) LOW

Date Received:

% Moisture: ____ decanted: (Y/N)___

Date Extracted: 05/28/04

Concentrated Extract Volume:

1000(uL)

Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Code: LIBRTY Case No.: 32934 SAS No.:

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _

Extraction: (Type) CONT

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q

		10	TT
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	Ŭ
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1.0	U
98-86-2	Acetophenone	10.	U
106-44-5	4-Methylphenol	10	U
521-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	Ū
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	1.0	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U .
87-68-3	Hexachlorobutadiene	1.0	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	Ū
91-57-6	2-Methylnaphthalene	10	Ū
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	Ū
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	Ū
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	Ū
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	Ū
1			·

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKNF

EPA SAMPLE NO.

Contract: 68W03021 Lab Name: COMPUCHEM

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34543

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 34543A70

Date Received: Level: (low/med) LOW

% Moisture: ____ decanted: (Y/N)____ Date Extracted: 05/28/04

Date Analyzed: 06/01/04 Concentrated Extract Volume: 1000(uL)

Dilution Factor: 1.0 Injection Volume: 2.0(uL)

Extraction: (Type) CONT GPC Cleanup: (Y/N) N pH: ____

CONCENTRATION UNITS: (uq/L or ug/Kg) UG/L Q CAS NO. COMPOUND

CAD NO.			
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	Ū
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U.
84-66-2	Diethylphthalate	10	Ū
86-73-7	Fluorene	10	Ü
7005-72-3	4-Chlorophenyl-phenylether	10	Ū
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U ,
118-74-1	Hexachlorobenzene	10	Ū
1912-24-9	Atrazine	10	Ü
87-86-5	Pentachlorophenol	25	Ū
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	Ū
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	Ü
56-55-3	Benzo(a)anthracene	10	U .
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U .
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	Ū
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	Ū
191-24-2	Benzo(g,h,i)perylene	10	Ū

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: COMPUCHEM

Contract: 68W03021

SBLKNF

b Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34543

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 34543A70

Level: (low/med)

LOW

Date Received:

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/28/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Extraction: (Type) CONT

Number TICs found: 2

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

ivamber rieb roura.		-9,		· · · · · · · · · · · · · · · · · · ·
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN	6.91	3	J
<u>1.</u> 2.	UNKNOWN AMIDE	23.63	3	J.
3.	ONICIONI APILDE	23.03	· · · · · · · · · · · · · · · · · · ·	<u> </u>
4.				
5.				·
6.				
:				
d.				
9.				
10.				
11,				
12.				
13.				
14.				
15.				
14. 15. 16.	· ·			
1/.	100000000000000000000000000000000000000			
18. 19. 20. 21. 22. 23.				
19.				
20.				
22	27777874144			
23	7-3-1-3-1-4-3-3-1-4			
24.				
25.				
26.				
27.	· · · · · · · · · · · · · · · · · · ·			
28.				
29.				
30.				

FORM I SV-TIC

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY

page 1 of 1

Case No.: 32934

SAS No.:

SDG No.: E0098

GC Column(1): CLPEST

ID: 0.53 (mm) GC Column(2): CLPEST2

ID: 0.53 (mm)

	EPA	TCX 1	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT
	SAMPLE NO.	%REC #	%REC #	6KEC #	**************************************	(===
0.1	======== PBLKNO	70	70	80	85			0
01 02	E0098MS	90	85	100	105			0
03	E0098MSD	105	95	110	115			0
04	E0098	90	90	110	115			0
05	E00A1	95	95	100	105			0
06	E00A2	80	85	85	90			0
07	E00A6	125	80	40	45			0
08	E00B7	105	90	90 80	95 80			0
.09	E00C0	80 60	85 60	70	70			
10	E00C3	60	80	70	70			
11 12								
13								
14								
15								
15 16								
17								<u> </u>
18								<u> </u>
19								
20								
21 22								
23								
24								
25								
26								
27								ļ
28								
29								
30			L	<u> </u>				J l

QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene S2 (DCB) = Decachlorobiphenyl

(30-150)

(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM II PEST-1

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM

Contract: 68W03021

_ab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix Spike - EPA Sample No.: E0098

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
	=======	==========	========	======	=====
qamma-BHC (Lindane)	0.50	0.0	0.42	84	56-123
Heptachlor	0.50	0.0	0.41	82	40-131
Aldrin	0.50	0.0	0.41	82	40-120
Dieldrin	1.0	0.0	0.87	87	52-126
Endrin	1.0	0.0	0.96	96	56-121
4,4'-DDT	1.0	0.0	0.82	82	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC L. RPD	IMITS REC.
=======================================		=======================================	=====	=====	======	=====
gamma-BHC (Lindane)	0.50	0.47	94	11	. 15	56-123
Heptachlor	0.50	0.46	92	11	20_	40-131
Aldrin	0.50	0.45	90	9	22	40-120
Dieldrin	1.0	1.0	100	14	18	52-126
Endrin	1.0	1.1	110	14	21	56-121
4,4'-DDT	1.0	0.94	94	14	27	38-127

Column to be used to flag recovery and RPD values with an asterisk

*	Values	outside	of	QC	limits
---	--------	---------	----	----	--------

RPD: 0 out of 6 outside limits Spike Recovery: 0 out of 12 outside limits

~~~~~~~		
COMMENTS:		

FORM III PEST-1

## PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Lab Sample ID: 34676

Lab File ID:

Matrix (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup (Y/N) N

Date Extracted: 05/30/04

Date Analyzed (1): 06/02/04

Date Analyzed (2): 06/02/04

Time Analyzed (1): 0758

Time Analyzed (2): 0758

Instrument ID (1): TRACEGC80

Instrument ID (2): TRACEGC81

GC Column (1): CLPEST ID: 0.53 (mm) GC Column (2): CLPEST2 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	DATE	DATE
	SAMPLE NO.	SAMPLE ID	ANALYZED 1	ANALYZED 2
			ANADIOD	
	========		06/02/04	06/02/04
01	E0098MS	34677	06/02/04	06/02/04
02	E0098MSD	34678		06/02/04
03	E0098	311701	00/0-/-	
04	E00A1	311702	06/02/04	
05	E00A2	311703	06/02/04	06/02/04
06	E00A6	311704	06/02/04	06/02/04
07	E00B7	311705	06/02/04	06/02/04
8 0	E00C0	311707	06/02/04	06/02/04
09	E00C3	311709	06/02/04	06/02/04
10				
11				
12				
13				
14				
1.5				
16				
17				
18				
19				
20				
21				
22				
23				1
24			<del></del>	
25				<u> </u>
26				<u>                                     </u>

COMMENTS:	•			
COMMENTS:	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			

page 1 of

FORM IV PEST

				E0098
Lab Name:	COMPUCHEM	Contract:	68W03021	

Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311701

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ________

& Moisture: Decanted: (Y/N) Date Received: 05/26/04

% Moisture: ____ Decanted: (Y/N) ___ Date Received: 05/26/04

Extraction: (Type) SEPF Date Extracted: 05/30/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

0110 1.01			
319-84-6	alpha-BHC	0.050	Ū
319-85-7	beta-BHC	0.050	· U
	delta-BHC	0.050	U
319-86-8 58-89-9	gamma-BHC (Lindane)	0.050	U
	Heptachlor	0.050	Ū
76-44-8	Aldrin	0.050	Ū
309-00-2	Heptachlor epoxide	0.050	Ū
1024-57-3	Endosulfan I	0.050	Ü
959-98-8		0.10	Ū
60-57-1	Dieldrin	0.10	Ū
72-55-9	4,4'-DDE	0.10	Ū
72-20-8	Endrin	0.10	<del>U</del>
33213-65-9	Endosulfan II	0.10	Ū
72-54-8	4,4'-DDD	0.10	Ū
1031-07-8	Endosulfan sulfate	0.10	Ü
50-29-3	4,4'-DDT	0.10	Ū
72-43-5	Methoxychlor	0.30	Ū
53494-70-5	Endrin ketone	0.10	Ū
7421-93-4	Endrin aldehyde		Ü
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	Ü
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	Ŭ
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	Ū
I			

E0098MS

Contract: 68W03021

Lab Name: COMPUCHEM

Lab Code: LIBRTY Case No.: 32934

SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34677

Sample wt/vol:

500.0 (g/mL) ML

Lab File ID:

% Moisture:

Date Received: 05/26/04

Decanted: (Y/N)

Extraction: (Type) SEPF

Date Extracted: 05/30/04

Concentrated Extract Volume: 5000(uL)

CAS NO. COMPOUND

Date Analyzed: 06/02/04

Injection Volume:

1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) N CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

212 1.0.			
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U ·
58-89-9	gamma-BHC (Lindane)	0.42	
76-44-8	Heptachlor	0.41	
309-00-2	Aldrin	0.41	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.87	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.96	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.029	J
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.82	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10 0.021	ZPY 9
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	Ū
5103-74-2	gamma-Chlordane	0.050	Ū
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	Ū
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	Ü
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
			ll

## PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098MSD

Lab Name: COMPUCHEM

Contract: 68W03021

Ab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 34678

Sample wt/vol:

500.0 (g/mL) ML

Lab File ID:

% Moisture:

Decanted: (Y/N) _____

Date Received: 05/26/04

Extraction: (Type) SEPF

Date Extracted: 05/30/04

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 06/02/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

319-84-6	alpha-BHC	0.10	Ū
319-85-7	beta-BHC	0.10	Ū
319-86-8	delta-BHC	0.10	U
58-89-9	gamma-BHC (Lindane)	0.47	
76-44-8	Heptachlor	0.46	
309-00-2	Aldrin	0.45	
1024-57-3	Heptachlor epoxide	0.10	Ū
959-98-8	Endosulfan I	0.10	Ū
60-57-1	Dieldrin	1.0	
72-55-9	4,4'-DDE	0.20	Ū
72-20-8	Endrin	1.1	
33213-65-9	Endosulfan II	0.20	Ū
72-54-8	4,4'-DDD	0.20	Ū
1031-07-8	Endosulfan sulfate	0.20	U
50-29-3	4,4'-DDT	0.94	
72-43-5	Methoxychlor	1.0	U
53494-70-5	Endrin ketone	0.20	U
7421-93-4	Endrin aldehyde	0.20	Ū
5103-71-9	alpha-Chlordane	0.10	Ū
5103-74-2	gamma-Chlordane	0.10	U
8001-35-2	Toxaphene	10	Ū
12674-11-2	Aroclor-1016	2.0	Ū
11104-28-2	Aroclor-1221	4.0	U
11141-16-5	Aroclor-1232	2.0	Ū
53469-21-9	Aroclor-1242	2.0	U
12672-29-6	Aroclor-1248	2.0	Ū
11097-69-1	Aroclor-1254	2.0	Ū
11096-82-5	Aroclor-1260	2.0	U
	• • • • • • • • • • • • • • • • • • • •		

Lab Name: COMPUCHEM Contract: 68W03021

1.0......

Lab Code: LIBRTY Case No.: 32934

SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311702

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: ____ Decanted: (Y/N) ____ Date Received: 05/26/04

Extraction: (Type) SEPF Date Extracted: 05/30/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

			· · · · · · · · · · · · · · · · · · ·
319-84-6	alpha-BHC	0.050	Ū
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	Ū
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	Ū
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	Ū
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	Ū
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	Ū
5103-74-2	gamma-Chlordane	0.050	Ū ·
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	Ū.
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	Ü
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	Ū
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST

Date Received: 05/26/04

E00A2 Lab Name: COMPUCHEM Contract: 68W03021

b Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311703

% Moisture:

Lab File ID: Sample wt/vol: 1000 (q/mL) ML

Decanted: (Y/N) _____

Date Extracted: 05/30/04 Extraction: (Type) SEPF

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAB NO.	COMPOUND	(dg/H O1 dg/Ng/ O	<u>3/1</u> Q
319-84-6	alpha-BHC	0.050	Ū
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	Ū
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	Ū
50-29-3	4,4'-DDT	0.10	Ū
72-43-5	Methoxychlor	0.50	Ū
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	Ū
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	Ü
53469-21-9	Aroclor-1242	1.0	Ū
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST

. OLM04.2

## 1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

	1
E00A6	

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934

SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311704

Sample wt/vol: 1000 (g/mL) ML

Lab File ID:

% Moisture: _____ Decanted: (Y/N) ____ Date Received: 05/26/04

Extraction: (Type) SEPF

Aroclor-1260

Date Extracted: 05/30/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

11096-82-5

GPC Cleanup: (Y/N) N pH: ____

Sulfur Cleanup: (Y/N) N CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND 0.050 U 319-84-6 | alpha-BHC 0.021 319-85-7 beta-BHC 319-86-8 delta-BHC 0.050 0.050 U 58-89-9 gamma-BHC (Lindane) 0.018 JP/ 76-44-8 Heptachlor 0.050 309-00-2 Aldrin 0.019 JP ✓ 1024-57-3 Heptachlor epoxide 0.050 959-98-8 Endosulfan I 0.10 60-57-1 Dieldrin 0.10 IJ 72-55-9 4,4'-DDE 72-33-9 72-20-8 33213-65-9 0.10 TT Endrin 0.10 IJ Endosulfan II 4,4'-DDD 0.10 72-54-8 0.10 Endosulfan sulfate 1031-07-8 0.10 4,4'-DDT Methoxychlor 50-29-3 72-43-5 0.50 0.10 IJ 53494-70-5 | Endrin ketone Ū 0.10 7421-93-4 Endrin aldehyde Ū 0.050 5103-71-9 | alpha-Chlordane 0.050 Ū 5103-74-2 gamma-Chlordane Ū 8001-35-2 | Toxaphene 1.0 Ū 12674-11-2 | Aroclor-1016 2.0 U 11104-28-2 Aroclor-1221 TT 1.0 11141-16-5 Aroclor-1232 53469-21-9 Aroclor-1242 12672-29-6 Aroclor-1248 11097-69-1 Aroclor-1254 1.0 Ū Ū 1.0

OLM04.2

Ū

1.0

1.0

## PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0.10

0.10

0.10

0.10

0.050

0.050

5.0

1.0

1.0

1.0

1.0

1.0

1.0

U

IJ

II

TT

Ū

Ū

TT

U

Ū

E00B7 Contract: 68W03021 Lab Name: COMPUCHEM SDG No.: E0098 b Code: LIBRTY Case No.: 32934 SAS No.: Matrix: (soil/water) WATER Lab Sample ID: 311705 Sample wt/vol: 500.0 (g/mL) ML Lab File ID: % Moisture: _____ Decanted: (Y/N) ____ Date Received: 05/26/04 Date Extracted: 05/30/04 Extraction: (Type) SEPF Date Analyzed: 06/02/04 Concentrated Extract Volume: 5000(uL) Injection Volume: 1.0(uL) Dilution Factor: 1.0 pH: ____ Sulfur Cleanup: (Y/N) N GPC Cleanup: (Y/N) N CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q CAS NO. COMPOUND 0.050 319-84-6 alpha-BHC 0.050 319-85-7 beta-BHC 0.050 U 319-86-8 delta-BHC 0.050 Ū 58-89-9 gamma-BHC (Lindane) 76-44-8 Heptachlor 0.050 Ū 0.050 309-00-2 Aldrin 1024-57-3 Heptachlor epoxide 0.050 959-98-8 60-57-1 72-55-0 Endosulfan I 0.050 0.10 Dieldrin 72-55-9 72-20-8 4,4'-DDE 0.10 TI 0.10 IJ Endrin 0.10 IJ Endosulfan II 33213-65-9

72-54-8

50-29-3 4,4'-DDT

53494-70-5 Endrin ketone

12674-11-2 Aroclor-1016 11104-28-2 Aroclor-1221

72-43-5 Methoxychlor

7421-93-4 Endrin aldehyde 5103-71-9 alpha-Chlordane

5103-74-2 gamma-Chlordane

1031-07-8

8001-35-2

11141-16-5

53469-21-9 12672-29-6

11097-69-1

11096-82-5

4,4'-DDD

Toxaphene

Aroclor-1232

Aroclor-1242

Aroclor-1248 Aroclor-1254

Aroclor-1260

Endosulfan sulfate

FORM I PEST

SAS No.: SDG No.: E0098

Dilution Factor: 1.0

E00C0 Contract: 68W03021 Lab Name: COMPUCHEM

Lab Code: LIBRTY Case No.: 32934

Lab Sample ID: 311707 Matrix: (soil/water) WATER

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: ____ Decanted: (Y/N) ____ Date Received: 05/26/04 Date Extracted: 05/30/04

Extraction: (Type) SEPF

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/04

Sulfur Cleanup: (Y/N) N pH: ____ GPC Cleanup: (Y/N) N

Injection Volume: 1.0(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q CAS NO. COMPOUND

0.050 319-84-6 alpha-BHC 0.050 319-85-7 | beta-BHC 0.050 319-86-8 | delta-BHC 0.050 58-89-9 gamma-BHC (Lindane) IJ 0.050 Ū 76-44-8 Heptachlor 0.050 309-00-2 | Aldrin 0.050 1024-57-3 Heptachlor epoxide Ū 0.050 959-98-8 Endosulfan I 0.10 60-57-1 Dieldrin 0.10 IJ 72-55-9 4,4'-DDE U 0.10 72-20-8 Endrin 33213-65-9 Endosulfan II 72-54-8 4,4'-DDD 0.10 Ū Ū 0.10 0.10 IJ Endosulfan sulfate 1031-07-8 0.10 50-29-3 4,4'-DDT 0.50 ΪĴ 72-43-5 Methoxychlor 0.10 Ū 53494-70-5 Endrin ketone 0.10 7421-93-4 | Endrin aldehyde 0.050 5103-71-9 | alpha-Chlordane 0.050 5103-74-2 | gamma-Chlordane 5.0 Ū 8001-35-2 Toxaphene 1.0 U 12674-11-2 Aroclor-1016 IJ 2.0 11104-28-2 Aroclor-1221 11141-16-5 Aroclor-1232 53469-21-9 Aroclor-1242 Ū 1.0 Ū 1.0 12672-29-6 Aroclor-1248 11097-69-1 Aroclor-1254 Ū 1.0 IJ 1.0 1.0 Aroclor-1260 11096-82-5

FORM I PEST

#### PESTICIDE ORGANICS ANALYSIS DATA SHEET

					•				
Lab Name: CC	MPUCHEM		С	ontrac	t: 68	W03021	E	00C3	
b Code: LI	BRTY	Case No.: 32934	S	SAS No.	:	SDG	No.: E	0098	
Matrix: (soi	.l/water)	WATER			Lab S	ample ID:	311709		
Sample wt/vc	ol:	1000 (g/mL) ML			Lab F	ile ID: _			
% Moisture:		Decanted: (Y/N)		<u>—</u>	Date :	Received:	05/26/	04	
Extraction:	(Type)	SEPF			Date :	Extracted:	05/30	/04	
Concentrated	l Extract	Volume: 10000(u	L)		Date :	Analyzed:	06/02/	04	
Injection Vo	olume:	1.0(uL)			Dilut	ion Factor	1.0		
GPC Cleanup:		р <b>н:</b>	_		C	r Cleanup: ONCENTRATI ug/L or ug	ON UNI	TS:	Q
319-84-6	alpha-E	внс					0.050	U	
319-85-7							0.050	Ū	
319-86-8	delta-E						0.050	U	
58-89-9		HC (Lindane)					0.050	Ŭ	
76-44-8	Heptach	llor					0.050	Ū	
309-00-2	Aldrin						0.050	U	
1024-57-3		lor epoxide					0.050	U	
959-98-8	Endosul						0.050	U	
60-57-1	Dieldri						0.10	Ū	
72-55-9		)臣			•		0.10	_	
72-20-8	Endrin Endosul	for IT	·	· · · · ·		- Married	0.10	U	
33213-65-9 72-54-8	4,4'-DI						0.10	1 5	
/2-54-8	4,4 TUL	UL CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACT			!		$\cup$ . $\perp$ $\cup$	1 0	

Endosulfan sulfate

4,4'-DDT

Methoxychlor

Toxaphene Aroclor-1016

Aroclor-1221

Aroclor-1232

Aroclor-1242

Aroclor-1248 Aroclor-1254

Aroclor-1260

Endrin ketone

Endrin aldehyde

alpha-Chlordane gamma-Chlordane

1031-07-8

53494-70-5

7421-93-4

5103-71-9

5103-71-9 5103-74-2 8001-35-2 12674-11-2 11104-28-2

11141-16-5 53469-21-9

12672-29-6

11097-69-1

11096-82-5

50-29-3 72-43-5

0.10

0.10

0.50

0.10

0.10

0.050

0.050

5.0

2.0

1.0

1.0

1.0

1.0

1.0

U

Ū

Ū

Ū

Ũ

IJ

Ū

U

Ū

Ū

Ū

U

U

## 1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

P	BLKNO		

EPA SAMPLE NO.

Contract: 68W03021 Lab Name: COMPUCHEM SDG No.: E0098 SAS No.: Lab Code: LIBRTY Case No.: 32934 Lab Sample ID: 34676 Matrix: (soil/water) WATER Lab File ID: Sample wt/vol: 1000 (g/mL) ML Date Received: Decanted: (Y/N) % Moisture: Date Extracted: 05/30/04 Extraction: (Type) SEPF Date Analyzed: 06/02/04 Concentrated Extract Volume: 10000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) Sulfur Cleanup: (Y/N) N GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q CAS NO. COMPOUND 0.050 | 11

319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	Ū
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	Ū
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U .
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	Ü
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	Ü
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	Ŭ

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V ESD Central Regional Laboratory Data Tracking Form for Contract Samples

Sample Delivery Group: 20098 CERCLIS No: 11005454566				
Case No: 32934 Site Name/Location: Johier Works				
Contractor of EPA Lab: Computtem Data User: 1EPA				
No. of Samples: Date Sampled or Date Received: 6-15-0 4				
Have Chain-of-Custody records been received? Yes No Have traffic reports or packing lists been received? Yes No If no, are traffic report or packing list numbers written on the Chain-of-Custody Record? Yes No If no, which traffic report or packing list numbers are missing?				
Are basic data forms in? Yes No. of samples received:				
Received by: Date: 6-15-04				
Received by LSSS: Eva H. Dix on ESAT Date: 6-15-04				
Review started: 16-23-2004 Reviewer Signature: Stylania Tohin				
Total time spent on review: 10 hrs Date review completed: 6-28-2004				
Copied by: Eur H. Date: 6-29-04				
Mailed to user by: EUA M. Dixon ESAT Date: 6-29-04				
DATA USER: Please fill in the blanks below and return this form to: Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C				
Data received by: Date:				
Data review received by: Date:				
Inorganic Data Complete  Organic Data Complete  Dioxin data Complete  SAS Data Complete  [] Suitable for Intended Purpose [] ✓ if OK  [] Suitable for Intended Purpose [] ✓ if OK  [] Suitable for Intended Purpose [] ✓ if OK  [] Suitable for Intended Purpose [] ✓ if OK				
PROBLEMS: Please indicate reasons why data are not suitable for your uses.				
Received by Data Mymt. Coordinator for Files. Date:				

DATE:	June 21, 200	4		
	P.O. Box 192	Grand Avenue East 276 L 62794-9276		
Attn:	Bob Casper			
SITE NAME:	US Steel Cor	rp. Joliet Works		
CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32839	Ceimic	10	E0043	Water
below.		ach package for completene , Data Management Coordin		
Data Received by:_		•		
PROBLEMS:				
Please indicate if da above.	ta is complete, a	nd note if there are any deliv	erables missin	g from the cases noted
Received by Data M	Management Coo	ordinator, CRL for file.		
Signature:				
FROM: U.S. EPA Region V Central Regional L 536 S. Clark, 10th	aboratory		, iii. Pros Israe Israe	JUN 2 4 2004
Chicago, IL 6060				

Sent By:

Eva M. Dixon, Sr. Data Specialist

**ESAT** 

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

DATE:_	
SUBJECT:	Review of Data Received for Review on May 28, 2004
FROM:	Stephen L. Ostrodka, Chief (SMF-4J) Superfund Field Services Section
TO:	Data User: IEPA
We have reviewed the data f	for the following case:
Site name: <u>US Steel Corp. Jo</u>	oliet Worker (IL)
Case number: 32839	SDG Number: <u>E0043</u>
Number and Type of Sample	es: 10 water samples
Sample Numbers: <u>E0043, E0</u>	0045, E0051, E0053, E0056, E0058, E0061, E0077, E0079, E0080
Laboratory: <u>Ceimic</u>	Hrs. for Review:
Following are our findings:	

CC: Howard Pham Region 5 TPO Mail Code: SM-5J

Page 2 of 6

Laboratory: Ceimic

Site Name: US Steel Corp. Joliet Workers (IL)

Case Number: 32839 SDG Number: E0043

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Ten water samples (E0043, E0045, E0051, E0053, E0056, E0058, E0061, E0077, E0079, E0080) were collected on 05/03-05/2004. The laboratory received the samples on 05/04-06/2004 in good condition. Samples E0061 and E0079 were analyzed for only the Volatile analytes. The remaining samples were analyzed for the full list of organic analytes. All samples were analyzed according to CLP SOW OLM04.3.

Reviewed By: <u>Steffanie Tobin (Alion/ESAT)</u>

Date: June 18, 2004

Page 3 of 6

Laboratory: Ceimic
Site Name: US Steel Corp. Joliet Workers (IL)

Case Number: 32839 SDG Number: E0043

#### 1. HOLDING TIME

No problems were found for this qualification.

#### 2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

Semivolatile IPC associated with an initial calibration has percent relative abundance out of criteria. Hits and non-detects are not flagged.

E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0077, E0080, SBLKKO, SBLKKY

#### 3. CALIBRATION

The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

1,2-Dibromo-3-chloropropane

E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0061, E0077, E0079, E0080, VBLKLQ, VBLKLR, VHBLK01

The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Dichlorodifluoromethane

E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0061, E0077, E0079, E0080, VBLKLQ, VBLKLR, VHBLK01

Acetone

E0058, E0077, E0079, E0080, VBLKLR, VHBLK01

The following volatile samples are associated with a continuing calibration relative response factor (RRF5) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

1,2-Dibromo-3-chloropropane

E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0061, E0077, E0079, E0080, VBLKLQ, VBLKLR, VHBLK01

The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Reviewed By: <u>Steffanie Tobin (Alion/ESAT)</u>
Date: <u>June 18, 2004</u>

Page 4 of 6

Laboratory: Ceimic
Site Name: US Steel Corp. Joliet Workers (IL)

Case Number: 32839 SDG Number: E0043

Benzaldehyde

E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0077, E0080,

SBLKKO, SBLKKY

The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Benzaldehyde

E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0077, SBLKKY

Phenol, bis(2-Chloroethoxy)methane E0043, E0080, SBLKKO

bis(2-Chloroethyl)ether

E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0080, SBLKKO, SBLKKY

2,2-oxybis(1-Chloropropane), 4-Nitrophenol E0043, E0045, E0051, E0053, E0056, E0056MSD, E0058, E0077, E0080, SBLKKO, SBLKKY

Caprolactam E0043, E0077

The following semivolatile samples are associated with a continuing calibration in which a surrogate/DMC exceeded percent difference (%D) criteria. Hits and non-detects are not flagged.

E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0077, E0080, SBLKKO, SBLKKY

#### 4. METHOD BLANKS

No problems were found for this qualification.

## 5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following semivolatile samples have one base surrogate recovery which was below the QC limit. Hits and non-detects are not flagged since the protocol allows at least two surrogates in either the base/neutral or acid fraction to be out of control before a re-analysis or qualification of the results is required.

E0043

Reviewed By: <u>Steffanie Tobin (Alion/ESAT)</u>
Date: June 18, 2004

Laboratory: Ceimic
Site Name: US Steel Corp. Joliet Workers (IL)

Case Number: 32839 SDG Number: E0043

## 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The following volatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limit. Sample results for the outlier compounds in the unspiked sample E0056 are estimated "J" and non-detects are not flagged.

E0056MS, E0056MSD Trichloroethene

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limit but less than 100%. Hits and non-detects for the outlier compounds in the unspiked sample E0056 are not flagged.

E0056MS, E0056MSD 4-Nitrophenol

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limit. Sample results for the outlier compounds in the unspiked sample E0056 are estimated "J" and non-detects are not flagged.

E0056MSD Pentachlorophenol

## 7. FIELD BLANK AND FIELD DUPLICATE

None of the samples were identified as the field duplicates. Samples E0061 and E0079 were identified as trip blanks. Sample E0058 was identified as the field blank. The results of the QC blanks are summarized in the following table:

Analytes	E0061(TB)	E0079(TB)	E0058 (FB)
dilution factor =	1.0	1.0	1.0
Methylene chloride	ND	ND	2 μg/L

Results are not qualified based upon the results of the QC blanks or field duplicates.

#### 8. INTERNAL STANDARDS

No problems were found for this qualification.

#### 9. COMPOUND IDENTIFICATION

Reviewed By: Steffanie Tobin (Alion/ESAT)

Date: June 18, 2004

Page 6 of 6

Laboratory: Ceimic

Site Name: US Steel Corp. Joliet Workers (IL)

Case Number: 32839 SDG Number: E0043

After reviewing the mass spectra and chromatograms, it appears that all VOA, SVOA and Pesticide/PCB compounds were properly identified.

## 10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E0058

Methylene Chloride

The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E0080

Di-n-butylphthalate, Butylbenzylphthalate

### 11. SYSTEM PERFORMANCE

The GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

### 12. ADDITIONAL INFORMATION

The result of Pentachlorophenol for E0056MSD was quantitated outside the calibration range and no further dilution was analyzed. No qualification is needed since this sample was used for QC purposes only.

Reviewed By: <u>Steffanie Tobin (Alion/ESAT)</u>

Date: June 18, 2004

## CADRE Data Qualifier Sheet

<u>Qualifiers</u>	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J .	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present)
Н	Sample result is estimated and biased high.
L	Sample result is estimated and biased low.

#### Semivolatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E0043

Sample Type:

JG No.:

Routine Sample

Lab ID:

CEIMIC

rse No.:

32839 E0043 Location:

G103

Matrix/Level:

Water/Low

File Name:

E0043

			Concentration	
CAS No.	Compound Name	RT	(UG/L)	Q*
	UNKNOWN SILOXANE	4.47	400	J
	UNKNOWN SILOXANE	5.36	97	J
540976	CYCLOHEXASILOXANE, DODECAMETHYL-	6.26	26	NJ

^{*}Q: Laboratory Qualifier

## Semivolatile Sample Analysis

Tentatively Identified Compounds

Sample No.:

E0080

Sample Type:

Routine Sample

Lab ID: CEIMIC

Case No.: SDG No.: 32839

E0043

Location:

G107

Matrix/Level: File Name:

Water/Low E0043

			Concentration	
CAS No.	Compound Name	RT	(UG/L)	Q*
	UNKNOWN SILOXANE	4.47	530	J
541026	CYCLOPENTASILOXANE, DECAMETHYL-	5.35	140	NJ
ി976	CYCLOHEXASILOXANE, DODECAMETHYL-	6.25	70	NJ
	UNKNOWN SILOXANE	7.34	26	J
	UNKNOWN SILOXANE	8.21	16	J
	UNKNOWN SILOXANE	8.85	16	J
	UNKNOWN SILOXANE	9.83	15	J
	UNKNOWN SILOXANE	10.96	. 11	J
	UNKNOWN SILOXANE	11.33	11	J
	UNKNOWN SILOXANE	11.75	13	J
	UNKNOWN SILOXANE	12.22	9	J

^{*}Q: Laboratory Qualifier

SDG: E0043

U.S. STEEL CORP JOLIET WORKS (IL)

Reviewer:

Site:

Lab.:

Date:

S. Tobin 06-18-2004

CEIMIC

Number of Soil Samples: 0

Number of Water Samples: 10

Sample Number :	E0043		E0045		E0051		E0053		E0056
Sampling Location :	G103		G104	1	G102		G105		G101
Matrix :	Water		Water		Water	٠	Water		Water
Units:	ug/L		ug/L		ug/L		ug/L		ug/L
Date Sampled :	5/3/2004	•	5/3/2004		5/3/2004		5/3/2004		5/3/2004
Time Sampled :	12:30		13:15		15:00		15:00		16:00
%Moisture :	N/A		N/A		N/A		N/A		N/A
pH:									
Dilution Factor :	1.0		1.0		1.0		1.0		1.0
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result
DIGULODODIE! LIODOMETIANE	40	5414X#85	555490055553AA	111	40	24 3 37 75 8 2	40	THE SECTION	4-isosta Novalla

%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH:										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	. 10	UJ	10	บป	. 10	UJ	10	บม	10	บม
CHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
VINYL CHLORIDE	10	U	10	U	10	U	10	U	10	ט
BROMOMETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROETHANE	10	U	10	υ	10	Ü	10	U	10	U
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHENE	10	υ	10	U	10	U	10	U	10	Ü
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	U	10	υ	10	U	10	U
ACETONE	10	U	10	U	.10	U	- 10	U	10	U
CARBON DISULFIDE	10	U	10	U	10	U	10	U	10	U
METHYL ACETATE	10	U	10	υ	10	ט	, 10	U	10	U .
METHYLENE CHLORIDE	10	U	10	U	10	U	10	υ	10	U
TRANS-1,2-DICHLOROETHENE	10	U.	10	U.	10	U	10	Ü	- 10	U
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHANE	10	Ü	10	U	10	υ.	10	Ü	10	υ
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
2-BUTANONE	10	U	10	U	10	U	10	Ü	10	υ
CHLOROFORM	10	U	10	U	10	U	10	U	10	U
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U 🔻	10	U.
CYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
CARBON TETRACHLORIDE	10	υ	10	U	10	ט	10	U	10	U
BENZENE	10	U	10	U	10	U	10	U	10	υ
1,2-DICHLOROETHANE	10	U.	10	U	10	U .	10	υ	. 10	Ü
TRICHLOROETHENE	10	U	10	υ	10	U	10	U	10	U
METHYLCYCLOHEXANE	10	U	10	U	10	ָט	10	ט	10	บ
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHANE	- 10	U	10	U	10	บ	10	U	. 3 3 10	U .
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	υ
4-METHYL-2-PENTANONE	. 10	U	10	U	10	ับ	10	U	10	U
TOLUENE	10	U	10	U	10	U	10	U	10	U
TRANS-1,3-DICHLOROPROPENE	10	Ù	10	U	. 10	U	10	Ü	10	U
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TETRACHLOROETHENE	10	ט	10	U	10	ບໍ່	10	Ú	10	Ü

SDG: E0043

U.S. STEEL CORP JOLIET WORKS (IL)

Lab.: Reviewer:

Site:

S. Tobin

Number of Soil Samples: 0 Number of Water Samples: 10

nerioner.	00 40 0004									
Pote:	06-18-2004				*					
Sample Number :	E0043		E0045		E0051		E0053		E0056	
Sampling Location :	G103		G104		G102		G105		G101	
Matrix :	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/3/2004		5/3/2004	
Time Sampled :	12:30		13:15		15:00		15:00		16:00	
%Moisture:	N/A		N/A		N/A		N/A		N/A	
pH:					·					
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	Ü	10	บ	10	U	10	U	10	U
DIBROMOCHLOROMETHANE	10	U	10	U	. 10	U	10	U	- 10	U
			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$					100100000000000000000000000000000000000	\$6.50 BEST SECTION	S2478888

2-HEXANONE	10	Ü	10	U	10	U	10	U	10	U
DIBROMOCHLOROMETHANE	10	υ	10	U	. 10	U	10	U	. 10	U
1,2-DIBROMOETHANE	- 10	U	10	บ	10	U	10	U	10	Ü
CHLOROBENZENE	10	U	10	U	10	U	10	U	10	Ű
ETHYLBENZENE	10	Ü	10	บ	10	Ü	10	U	10	Ü
XYLENES (TOTAL)	10	U	10	U	10	U	10	U	10	υ
STYRENE	10	บ	10	U	10	ט	10	U	10	U
BROMOFORM	10	Ü	10	U	10	U	10	U	· 10	U
ISOPROPYLBENZENE	: 10	U	10	υ	10	U	10	U	10	U
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U	10	U
1,3-DICHLOROBENZENE	10	U	10	บ	10	U	10	U	10	ָט
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROBENZENE	10	υ -	10	υ	. 10	U	10	Ü	10	Ü
1,2-DIBROMO-3-CHLOROPROPANE	10	R	10	R .	10	R	10	R	10	R
1,2,4-TRICHLOROBENZENE	10	U	10	u	10	U	10	U	10	Ú

## Analytical Results (Qualified Data)

Case #: 32839

SDG: E0043

U.S. STEEL CORP JOLIET WORKS (IL)

Lab.: Reviewer:

Site:

CEIMIC S. Tobin

Number of Soil Samples: 0 Number of Water Samples: 10

Date:

06-18-2004

Sample Number :	E0056MS		E0056MSD		E0058		E0061		E0077	1
Sampling Location :	G101		G101		FIELD BLANK		TRIP BLANK		G106	l
Matrix:	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004	-	5/3/2004		5/3/2004		5/3/2004		5/5/2004	İ
Time Sampled :	16:00		16:00		16:40		17:00		08:40	l
%Moisture:	N/A		N/A		N/A		N/A		N/A	
pH:						-				1
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	UJ	10	บง	10	UJ	10	υJ	10	เม
CHLOROMETHANE	10	U	10	U	10	υ	10	U	10	U
VINYL CHLORIDE	10	U	10	U	10	Ü	10	υ	10	U
BROMOMETHANE	10	U	10	U	10	U	10	υ	10	U
CHLOROETHANE	10	U	10	U -	10	U	10	U	10	U
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
1.1-DICHLOROETHENE	58		58		10	U	10	U	10	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORC	10	U	10	U	10	U	10	U	10	U
ACETONE	10	U	10	U	10	IJ	10	U	10	ບນ
CARBON DISULFIDE	10	U	10	U	10	U	10	U	10	U
METHYL ACETATE	10	ט	10	U	10	u .	10	U	-10	U
METHYLENE CHLORIDE	10	υ	10	U	2	J	10	U	10	U
TRANS-1,2-DICHLOROETHENE	10	U .	10	U	10	Ü	10	U	10	U
METHYL TERT-BUTYL ETHER	10	υ	10	υ	10	U	10	U	10	U
1:1-DICHLOROETHANE	10	Ů	10	] υ	10	U	10	U	10	บ
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	υ	10	U	10	U
2-BUTANONE	10	U	10	U.,	10	U	10	U	10	U
CHLOROFORM	10	U	10	U	10	U	10	U	10	U
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	บ
CYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
CARBON TETRACHLORIDE	10	U	10	Ù.	10	ט	10	U	10	u
BENZENE	57		. 58		10	U	10	U	10	U
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U.
TRICHLOROETHENE	61	l	61		10	U	10	U	10	U
METHYLCYCLOHEXANE	10	U	⊜10	U	10	U	, 10	Ü	10	U
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHANE	10	U	> 10	U	10	U	- 10	U	10	U
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	/ 10	U	10	U	10	U	10	U	, 10	U
TOLUENE	61		62	er en de l'emples des	10	U	10	U	10	U
TRANS-1,3-DICHLOROPROPENE	10	U		U	10	U:	10	υ	10	1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -
1,1,2-TRICHLOROETHANE	10	Įυ	10	U	10	U	10	U	10	U
TETRACHLOROETHENE	10	U	10	U	10	U	10	U	10	U

SDG: E0043

U.S. STEEL CORP JOLIET WORKS (IL)

Lab. : Reviewer:

Site:

CEIMIC

S. Tobin

Number of Soil Samples: 0

Number of Water Samples: 10

Date :	06-18-200

Sample Number :	E0056MS		E0056MSD		E0058		E0061		E0077	
Sampling Location:	G101		G101		FIELD BLAN	ĸ	TRIP BLANK		G106	
Matrix:	Water		Water	· ·	Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L			
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/3/2004		ug/L	
Time Sampled :	16:00		16:00		16:40		17:00		5/5/2004	
%Moisture :	N/A		N/A		N/A	•	N/A		08:40	
pH:							N/A		N/A	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	Ü	10	U	Result 10	U
DIBROMOCHLOROMETHANE	10	U	10	U	10	11	10	U	A CONTRACTOR OF THE PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF	Contractor Contractor
1,2-DIBROMOETHANE	10	U_	10	U	10	Ü	10	u	10	U
CHLOROBENZENE	60		59		10	U	10	U	10	U
ETHYLBENZENE	10	υ	10	U	10	Ü	10	บ	10	U
XYLENES (TOTAL)	10	U	10	U	10	U	10	U	10	U
STYRENE	10	U	10	U	10	U	10	U	10	U
BROMOFORM	10	U	10	U	10	U	10	U	10	U
ISOPROPYLBENZENE	10	U.	10	Ü	10	Ü	10	U	10 <b>10</b>	u .
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U		
1,3-DICHLOROBENZENE	10	ΰ	10	U-	10	U	10	U	10	U
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROBENZENE	10	U	10	ับ	10	Ü	4750mmmicoryanaenen	U	10	U
1,2-DIBROMO-3-CHLOROPROPANE	10	R	10	R	10	R	1 <b>0</b> 10	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	- 10	U _
1,2,4-TRICHLOROBENZENE	10	11	10	ii -	10	u l	10	R U	10 10	R

SDG: E0043

U.S. STEEL CORP JOLIET WORKS (IL)

Lab.: Reviewer:

Sample Number:

Site:

Date:

CEIMIC

S. Tobin

Number of Soil Samples: 0. Number of Water Samples: 10

	06-18-2004				
7					
ı	E0079	E0080	VBLKLQ	VBLKLR	VHBLK01

Cample Number .	20070		20000		1 VDEILE		VOLINEIN		VIIDLIGI	
Sampling Location :	TRIP BLANK	5/5/04	G107							
Matrix :	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/5/2004		5/5/2004						]	
Time Sampled :	11:00		10:30							
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH:					Ĭ					
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	UJ	10	บม	10	UJ	10	บง	10	UJ
CHLOROMETHANE	10	U	10	U	10	υ	10	U	10	U
VINYL CHLORIDE	10	U	10	U	10	U	10	υ	10	U
BROMOMETHANE	10	U	10	U	10	U .	10	U,	10	U
CHLOROETHANE	10	U	10	U	10	U	10	U	10	י טי
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U·	10	U
1,1-DICHLOROETHENE	10	U	10	U	10	U	. 10	U	10	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	Ú	10	U	10	U	10	U
ACETONE	10	ÜJ	10	บา	10	υ	10	υJ	10	υJ
CARBON DISULFIDE	10	U	10	U	10	U	10	U	· 10	U
METHYL ACETATE	10	U	10	บ	10	U	10	U	10	υ
METHYLENE CHLORIDE	- 10	U	. 10	U	10	U	10	U	10	U
TRANS-1,2-DICHLOROETHENE	10	U	10	ט	10	U	10	U	10	u
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHANE	10	บ	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	Ü	10	U
2-BUTANONE	10	U	10	U	10	U	10	U	10	υ 🦈
CHLOROFORM	10	U	10	U	10	U	10	U	10	U
1,1,1-TRICHLOROETHANE	10	U	10	U	10	υ	10	U.	10	ט 🏥
CYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
CARBON TETRACHLORIDE	10	Ü	10	u	10	Ü	∘ 10	U	10	U
BENZENE	10	υ	10	U	.10	Ų	10	U	10	U
1,2-DICHLOROETHANE	10	Ü	10	u	10	Ü	10	ט ו	10	U
TRICHLOROETHENE	. 10	U	10	U	10	U	10	U	10	U
METHYLCYCLOHEXANE	10	U	10	U	10	u -	10	บ	10	U
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHANE	10	U	10	U	10	U	10	Ü	.10	υ
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	10	U 🗼	10	Ú	10	U	10	υ	10	Ú P
TOLUENE	10	υ	. 10	U	10	U	10	U	10	U
TRANS-1,3-DICHLOROPROPENE	10	U	10	บ	10	υ	10	U	.10	U
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TETRACHLOROETHENE	10	ט	10	U	10	υ	10	υ	10	U.S.

**VBLKLQ** 

Case #: 32839

Reviewer:

%Moisture:

'e:

SDG: E0043

Site: Lab.: U.S. STEEL CORP JOLIET WORKS (IL)

5/5/2004

10:30

N/A

CEIMIC

S. Tobin 06-18-2004

5/5/2004

11:00

N/A

Number of Soil Samples: 0

Number of Water Samples: 10

VHBLK01

Sample Number : Sampling Location: Matrix: Units: Date Sampled: Time Sampled:

E0080 E0079 TRIP BLANK5/5/04 G107 Water Water ug/L ug/L

Water Water Water ug/L ug/L ug/L

**VBLKLR** 

N/A N/A N/A

pH: 1.0 1.0 1.0 Dilution Factor: Flag Flag Flag Result Result Flag Result Volatile Compound Result Result Flag 2-HEXANONE 10 U 10 U - 10 U 10 U 10 U 10 U U υ 10 U 10 U DIBROMOCHLOROMETHANE 10 10 10 U 10 10 U U ... 10 U Ú, 10 1,2-DIBROMOETHANE CHLOROBENZENE 10 U 10 U 10 U 10 U 10 U 10 10 10 U 10 U ETHYLBENZENE 10 U U U U 10 10 U 10 10 U 10 XYLENES (TOTAL) U 10 10 10 STYRENE 10 U. 10 บ U **BROMOFORM** 10 U 10 U 10 U 10 U 10 U ISOPROPYLBENZENE U 10 U U 10 10 U U 10 10 1.1.2.2-TETRACHLOROETHANE 10 U 10 U 10 U 10 U 10 U 10 1,3-DICHLOROBENZENE 10 U 10 U U 10 U 10 U 1,4-DICHLOROBENZENE 10 U 10 U 10 U 10 U 10 U 1,2-DICHLOROBENZENE 10 U 10 U 10 10 U 10 U 1,2-DIBROMO-3-CHLOROPROPANE 10 R 10 R 10 R 10 R 10 R U 1,2,4-TRICHLOROBENZENE 10 U 10 υ 10 Ũ 10 U 10

SDG: E0043

U.S. STEEL CORP JOLIET WORKS (IL)

Lab. : Reviewer :

Site:

CEIMIC S. Tobin

Date:

06-18-2004

Number of Soil Samples: 0 Number of Water Samples: 10

Sample Number :	E0043	E0045	E0051	E0053	E0056
Sampling Location :	G103	G104	G102	G105	G101/
Matrix :	Water	Water	Water	Water	Water
Units :	ug/L	ug/L	ug/L	ug/L	ug/L
Date Sampled :	5/3/2004	5/3/2004	5/3/2004	5/3/2004	5/3/2004
Time Sampled :	12:30	13:15	15:00	15:00	16:00
%Moisture :	N/A	N/A	N/A	N/A	N/A
pH :					

%Moisture :	N/A N/A		N/A		N/A		N/A		N/A	1
pH _. :									ĺ	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	- 1
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	10	ŲΣ	10	UJ	10	UJ.	10	บป	10	UJ
PHENOL	10	UJ	10	U	10	U	10	U	10	U
BIS-(2-CHLOROETHYL)ETHER	10	บม		UJ	. 10	UJ .	10	UJ .	10	เม
2-CHLOROPHENOL	10	U	10	υ	10	U	10	U	10	U
2-METHYLPHENOL	10	U	10	Ü .	10	U	10	U	10	U
2,2'-OXYBIS(1- CHLOROPROPANE)	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ.
ACETOPHENONE	10	U	10	U	10	U	10	U	10	U
4-METHYLPHENOL	10	U	10	U	10	U	10	U	10	U
N-NITROSO-DI-N PROPYLAMINE	10	U	10	U	10	Ü	10	U	10	Ú.
HEXACHLOROETHANE	10	U	10	U	10	U	10	U	10	U
NITROBENZENE	10	U	10	U	10	U	10	U	. 10	U
ISOPHORONE	10	U	10	U	10	U	10	U	10	U
2-NITROPHENOL	10	U	-10	U	10	U	10	U	10	U
2,4-DIMETHYLPHENOL	10	U	10	υ	10	U	10	U	10	U
BIS(2-CHLOROETHOXY)METHANE	10	บม	10	U	10	Ú	10	U .	10	U
2,4-DICHLOROPHENOL	10	U	10	U	10	U	10	U	10	U
NAPHTHALENE	10	U	10	U	10	U	10	U	. 10	U
4-CHLOROANILINE	10	U	10	υ	10	υ	10	U	10	U
HEXACHLOROBUTADIENE	10	U.	10	`U -	10	U	10	U	10	U
CAPROLACTAM	10	UJ	10	U	10	U	10	U	10	U
4-CHLORO-3-METHYLPHENOL	10	U ∵	10	υ	10	U	10	U	10	U
2-METHYLNAPHTHALENE	10	U	10	U	10	U	10	U	10	U
HEXACHLOROCYCLO-PENTADIEN	10	U	10	U	10	U	10	υ 🖫	. 10	U
2,4,6-TRICHLOROPHENOL	10	U	10	U	10	U	. 10	U	10	U story ages
2,4,5-TRICHLOROPHENOL	25	U	25	U	25	U	25	ט	25	U
1,1'-BIPHENYL	10	U	10	U	10	U	10	U	10	U
2-CHLORONAPHTHALENE	10	U '	10	Ų	10	U	10	บ	10	U 🚞
2-NITROANILINE	25	U	25	U	25	U	25	U	25	U
DIMETHYLPHTHALATE	10	Ú	10	υ	10	U	10	บ	10	υ
2,6-DINITROTOLUENE	10	U	10	U	10	U	10	U	10	U
ACENAPHTHYLENE	10	U	10	U	10	ับ	10	U	10	U
3-NITROANILINE	25	U	25.	U	25	U	25	U	25	U
ACENAPHTHENE	10	U	10	U	10	ט	10	U	10	U

## Analytical Results (Qualified Data)

Case #: 32839

SDG: E0043

U.S. STEEL CORP JOLIET WORKS (IL)

Lab.: Reviewer:

Site:

CEIMIC

Number of Soil Samples: 0 Number of Water Samples: 10

S. Tobin 06-18-2004

Sample Number :	E0043		E0045		E0051		E0053		E0056	
Sampling Location :	G103		G104		G102		G105		G101	- 1
Matrix:	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/3/2004		5/3/2004	
Time Sampled :	12:30		13:15		15:00	,	15:00		16:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH:	-		-							i
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	25	U	25	U	25	U	25	บ	25	U
4-NITROPHENOL	25	บม	25	UJ	25	UJ	25	υJ	25	UJ
DIBENZOFURAN	10	ΰ	10	U .	10	U	10	U	10	U
2,4-DINITROTOLUENE	10	U	10	U	10	U	10	U	10	U
DIETHYLPHTHALATE	10	U	10	U	10	บ	10	U	10	U
FLUORENE	10	U	10	U	10	U	10	U	10	U
4-CHLOROPHENYL-PHENYL ETHER	10	U	10	U	10	U	10	U	10	υ
4-NITROANILINE	25	U	25	U	25	U	25	U	25	U
4,6-DINITRO-2-METHYLPHENOL	25	U	25	U.	25	U	25	ייט	25	U
N-NITROSO DIPHENYLAMINE	10	U	10	U	10	U	10	U	10	U
4-BROMOPHENYL-PHENYLETHER	10	U	10	U	10	U	10	U	10	U
HEXACHLOROBENZENE	10	U	10	U	10	U	. 10	U	10	U
ATRAZINE	10	U	10	U	10	U	10	U	10	บ
PENTACHLOROPHENOL	25	U	25	U	25	U	25	U	25	U
PHENANTHRENE	10	U	10	U	10	U	10	U	10	u
THRACENE	10	U	10	U	10	U	10	U	10	U
∵ARBAZOLE	10	U	10	U	10	U	10	ָט	10	U
DI-N-BUTYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
FLUORANTHENE	10	U	10	υ	10	U	10	U	10	U
PYRENE	10	U	10	U	10	U	10	U	10	U
BUTYLBENZYLPHTHALATE	10	U	10	Ü	10	U	10	U.	10	U
3,3'-DICHLOROBENZIDINE	10	U	10	U	10	U Companya Sangara	10	U	10	U
BENZO(A)ANTHRACENE	10	U	10	U	10	U	10	U	* 10	U
CHRYSENE	10	U	10	U	10	U	10	U	10	U
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	U	jo jo	Ü	10	Ü	10	U
DI-N-OCTYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
BENZO(B)FLUORANTHENE	10	U	10	U	10	U	10	Ų	10	U
BENZO(K)FLUORANTHENE	10	U	10	U	10	U	10	U	10	U
BENZO(A)PYRENE	10	U	10	U	10	U	10	U	10	U
INDENO(1,2,3-CD)-PYRENE	10	U	10	U	10	U	10	U	10	U
DIBENZO(A,H)-ANTHRACENE	10	U	*10	U	J 🖟 A 🔭 10	U	10	U	10	U
BENZO(G,H,I)PERYLENE	10	U	10	U	10	U .	10	U	10	U

## Analytical Results (Qualified Data)

Case #: 32839

SDG: E0043

U.S. STEEL CORP JOLIET WORKS (IL)

Lab.:

Site:

CEIMIC

Reviewer:
Date:

S. Tobin 06-18-2004 Number of Soil Samples: 0 Number of Water Samples: 10

	E0056MS		E0056MSD		E0058		E0077		E0080	
Sample Number :	_		G101		FIELD BLANK		G106		G107	1
Sampling Location :	G101	l	Water		Water		Water		Water	
Matrix :	Water		ug/L		ug/L		ug/L	ļ	ug/L	1
Units:	ug/L		5/3/2004		5/3/2004		5/5/2004		5/5/2004	- 1
Date Sampled :	5/3/2004				16:40		08:40		10:30	1
Time Sampled :	16:00		16:00		N/A		N/A		N/A	1
%Moisture:	N/A		N/A		170					
pH:					1.0		1.0		1.0	
Dilution Factor :	1.0		1.0	Flag	Result	Flag	Result	Flag	Result	Flag
Semivolatile Compound	Result	Flag	Result 10	UJ	10	เบง	10	UJ	10	บง
BENZALDEHYDE	10	บม	60	030	10	U	10	U	10	UJ
PHENOL	53		10	נט	10	UJ	10	U	10	บม
BIS-(2-CHLOROETHYL)ETHER	10	υJ	60		10	U	10	U	10	U
2-CHLOROPHENOL	52	U	10	U	10	U	10	U	10	U 🔭
2-METHYLPHENOL	10	SAASAA SAACA SARRA	10	UJ	10	UJ	10	UJ	10	UJ
2,2'-OXYBIS(1- CHLOROPROPANE)	10	UJ	10	υ	10	U	10	υ	10	u
ACETOPHENONE	10	U	10	U	10	U	10	U	10	U
4-METHYLPHENOL	10	U	44		10	U	10	lυ	10	ייט
N-NITROSO-DI-N PROPYLAMINE	38		10	U	10	U	10	U	10	U
HEXACHLOROETHANE	10	U	u Inc. Jacquer and one well 200 obtain Septemb	u	10	Ü	10	l u	10	U
NITROBENZENE	10	U	10	CALL WARRINGS	10	U	10	lu	10	U
ISOPHORONE	10	U	10	U	10	U	10	7. (guannage) 980	10	ا ت
2-NITROPHENOL	10	U	10	] ປ	10	U	10	U	10	U
2,4-DIMETHYLPHENOL	10	U	10	U	10	ا نا	10	·	.10	נט
BIS(2-CHLOROETHOXY)METHANE		U	10	PRODUCTO GENERALISM	10	lυ	10	lυ	10	U
2,4-DICHLOROPHENOL	10	Temperatur U	10	U	10	Ü	10	ĺυ	10	u
NAPHTHALENE	10	U	10	U	10	U	10	U	10	υ
4-CHLOROANILINE	10	U	10		10	COLUMN TO A SECURITY	10	< 6~27000000000000000000000000000000000000	10	l u
HEXACHLOROBUTADIENE	10	U	10	# 160.565 PH 6000	10	er chasensoes	10	UJ	10	U
CAPROLACTAM	10	U	10	sv <b>3</b> 03452, 810-60	10	on Committee Cale	10	Y 170,000 (NEWS) (100	10	lu
4-CHLORO-3-METHYLPHENOL	64	<ol> <li>Spanit VSSV 9440</li> </ol>	68	Charles Andrea and	10	(5/847)(5/1) (4/9/042)(5/0	10	ni i gradinin Manadasi	10	A. B. S. C. L. S. C. C. A. C. C. C.
2-METHYLNAPHTHALENE	10	m 12 (17/6/2010)	10	as Incomercia	10	80 W. W. L. CHERT WAS	10		10	U
HEXACHLOROCYCLO-PENTADIEN		w 9 yr 2 2 2 5 5 7 2 2	10		10	S - CS. TALLERS	10	to a first figure of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the season of the seaso	10	υ
2,4,6-TRICHLOROPHENOL	10		10	6. 0001 0008	25	Pa 19 S4 649 Mar 9 Mile.	25	eri martinessa.	25	l ü
2,4,5-TRICHLOROPHENOL	25	St. 100 1100	. 25	State College Street States	10	The state solution	10	52. 1. 2. 1. 2. 0.7 2.5 5 46 4 4	10	
1,1'-BIPHENYL	10	Av. 350355556788	10	wall die Malayer	10	CONTRACTOR	= 10	ic	10	ا را
2-CHLORONAPHTHALENE	1C	Ac. 1	10	1	25	- Cal Touristi	25	DE LE VEDICE SON	25	
2-NITROANILINE	25	arm and distriction	25	<ul> <li>2.5 880988</li> </ul>	10		10	ga a managan elektron	10	era i e statistikke e
DIMETHYLPHTHALATE	10	Stalls convents	10	A D. Material	r file 🖟 fill an i'm pennalu sepan ennennenn	9.23 July 19.00 19.00	10		10	242 1 - Age (150) 44
2,6-DINITROTOLUENE	10	La company of the San Company of San Company	10	A 43000000000	10	end included a 1808 623	10	- 100 CAST 000 ASSA	1	
ACENAPHTHYLENE	10		19	,	10	271	2!	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25	400
3-NITROANILINE	25	er i martine saeter	2!	was been a mi	25		11	er genetangsgen	1	907 TO 4364-5899
ACENABUTUENE	4	el of	40	3 [	84 Julius 1889 (140	י טיין כ	ist national make it	טונ	2 1 (c. 15 million 18 18)	

SDG: E0043

Site:

CEIMIC

U.S. STEEL CORP JOLIET WORKS (IL)

Lab. : Reviewer :

ੋate :

S. Tobin

Number of Soil Samples: 0
Number of Water Samples: 10

06-18-2004

Sample Number :	E0056MS		E0056MSD		E0058		E0077		E0080	
Sampling Location :	G101		G101		FIELD BLANK	<	G106		G107	
Matrix :	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/5/2004		5/5/2004	Į
Time Sampled :	16:00		16:00		16:40		08:40		10:30	- 1
%Moisture :	N/A		N/A		N/A		N/A		N/A	
ρH :										j
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	- 1
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	25	U	25	ប	25	U	25	U	25	U
4-NITROPHENOL	66	J	72	J	25	ΟJ	25	·UJ	. 25	UJ
DIBENZOFURAN	10	U	10	U	10	U	10	U	10	U
2,4-DINITROTOLUENE	43		48		10	U	10	U	10	U
DIETHYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
FLUORENE	10	U	10	υ	10	U	10	U	10	U
4-CHLOROPHENYL-PHENYL ETHER	10	U	10	U	10	ט	10	ับ	10	Ü
4-NITROANILINE	25	U	25	U	25	U	25	U	25	U
4,6-DINITRO-2-METHYLPHENOL	25	U	25	U	25	U	25	U	25	Ü
N-NITROSO DIPHENYLAMINE	10	U	10	U	10	U	10	U	10	n z (wroteke
4-BROMOPHENYL-PHENYLETHER	10	υ	10	U	10	Ü -	10	Ü	10	u 🦃
HEXACHLOROBENZENE	10	U	10	υ	10	U	10	U	10	U
ATRAZINE	10	U	10	U	10	U	10	Ü	10	บั
PENTACHLOROPHENOL	75	· / CABINAL	81	e un-seniorgia -	25	U	25	U	25	U
PHENANTHRENE	10	Ú.	10	U	10	U	10	U	10	ŭ :
NTHRACENE	10	U	10	U	10	U	10	U	10	U STORE
, CARBAZOLE	10	U.	10	Ú	10	Ü	10	Û	10	ŭ i
DI-N-BUTYLPHTHALATE	10	U	10	U	10	U. S.D. HERRESETT	10	U U	7	1
FLUORANTHENE	10	Ú	10	υ	10	U	10	u	10	. U. 72.634
PYRENE	50	Section Section 6	53		10	U	10	U	10	11 Y 64 X 44 C
BUTYLBENZYLPHTHALATE	10	u	10	U	10	Ü	10	u I	6	
3,3'-DICHLOROBENZIDINE	10	U	10	U	10	U	10	U	10	U Markara I
BENZO(A)ANTHRACENE	10	U	10	Ü	10	ับ	10	ŭ :	10	ŭ sl
CHRYSENE	10	υ	10	U	10	U	10	U	10	U
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	ů TS	10	U	10	Ū	10	ŭ A
DI-N-OCTYLPHTHALATE	10	U	10	U	10	U	10	U	10	D .
BENZO(B)FLUORANTHENE	10	້ ນັ້	10	ប្រា	10	Ü	10	u	10	บั
BENZO(K)FLUORANTHENE	10	U	10	U	10	U	10	U	10	U S
BENZO(A)PYRENE	10	U	10	ŭ	10	U U	10	บ	10	U S
INDENO(1,2,3-CD)-PYRENE	10	U	10	U	10	U	10	U	or or saucentakandaria, tellin	U
DIBENZO(A,H)-ANTHRACENE	10	U	10	U	10	U	10	Ü	10 10	U.
BENZO(G,H,I)PERYLENE	10	U	10	U	10	U SEC	10	U		-
	10	<u> </u>		Ü	10	U	10	U	10	U

SDG: E0043

Site : Lab. : U.S. STEEL CORP JOLIET WORKS (IL)

Reviewer:

CEIMIC

Date:

ACENAPHTHENE

S. Tobin 06-18-2004 Number of Soil Samples: 0
Number of Water Samples: 10

.415074400

Sample Number :	SBLKKO		SBLKKY							
Sampling Location :	,									٠.
Matrix:	Water		Water							
Units:	ug/L		ug/L						ļ	
Date Sampled :							}		]	į
Time Sampled :							· ·			
%Moisture :	N/A		N/A			į				
pH:										
Dilution Factor :	1.0		1.0		·			1		
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	10	เกา	10	ับป						
PHENOL  DESCRIPTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PRO	10	UJ	10	U						
BIS-(2-CHLOROETHYL)ETHER	10	UJ		บม						
2-CHLOROPHENOL	10	U	10	U	7.3073633365555	ASS SOURCE TO A STATE OF				
2-METHYLPHENOL	10	U	10	บ						
2,2'-OXYBIS(1- CHLOROPROPANE)	10	UJ	10	UJ			and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	TOTAL HARMAN	ST PS TO SOURCE STORMS IN OUT SOURCE SERVINGS IN THE	totti kirin wa serenga
ACETOPHENONE	10	Ü	10	U					21.34	2
4-METHYLPHENOL	10	U	10	U		2012-00-00-00-00-00-00-00-00-00-00-00-00-00		Process and the second of the second		COLUMNON, TRANSACA
N-NITROSO-DI-N PROPYLAMINE	10	Ú	10	U.						
HEXACHLOROETHANE	10	U	10	U				el matember posteri		SOOL KOZ NESDANI
NITROBENZENE	10	U	10	U					The second second second	in a second
ISOPHORONE	10	U	10	U		150		A Tribacelese	TABLES AND THE STREET, THE STREET, THE STREET, THE STREET, THE STREET, THE STREET, THE STREET, THE STREET, THE	eimanomero.
2-NITROPHENOL	10	U	10	U					was a sale	
2,4-DIMETHYLPHENOL BIS(2-CHLOROETHOXY)METHANE	10 10	UJ.	10	U		12836888888			10 T 54 55 F 55 S 55 S 60 L S S 5	T1286-620
2,4-DICHLOROPHENOL	10 10	U	10	U U						
NAPHTHALENE	10	Ü	10 10	Ü						
4-CHLOROANILINE	10	U	10	U						
HEXACHLOROBUTADIENE	10	ับ	10	U		1000000		CONTRACT		i i i i i i i i i i i i i i i i i i i
CAPROLACTAM	10	u Yangana U	10	U		in the Company		A SUBSILIA		5.65 <u>.</u>
4-CHLORO-3-METHYLPHENOL	10	u .	10	U						
2-METHYLNAPHTHALENE	10	U	10	U		kanigga Babasa		LO TERMINA		o eusinga
HEXACHLOROCYCLO-PENTADIEN	10	Ū	10	Ú						ingery
2,4,6-TRICHLOROPHENOL	10	U	10	U		V1/196400000		o stalenik	2.34	
2,4,5-TRICHLOROPHENOL	25	U	25	Ü						
1,1'-BIPHENYL	10	U	. 10	U	1000-11-2022FFFFEE	· 1000年 (新華語教育)	n a se tromando en 1944 de 19	e servicing graphy		
2-CHLORONAPHTHALENE	10	ບ	10	u						
2-NITROANILINE	25	U	25	U	- Newsonia Auraphor Formannace S.	· · · · · · · · · · · · · · · · · ·	n Misorgani ( CO FG, CEPNES)	an e e e e e e e e e e e e e e e e e e e	or of the second contribution	artija kirjingeni
DIMETHYLPHTHALATE	10	บ	10	U				12561025		
2,6-DINITROTOLUENE	10	U	10	U	STATES OF STATES ASSESSED.	Article Control of the	over a symptotic contact and differ	2 co 90.752656565654	A CHARLES	J. 125-618-4-89.
ACENAPHTHYLENE	10	U	10	U				1 1175		
3-NITROANILINE	25	U	25	U			-		ana ana an in taona na magalang kanaya ng kanaya ng kanaya ng kanaya ng kanaya ng kanaya ng kanaya ng kanaya n	
							1999 Constitution In the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the C			

SDG: E0043

U.S. STEEL CORP JOLIET WORKS (IL)

Lab.: Reviewer:

`ate:

Site:

CEIMIC

S. Tobin

Number of Soil Samples: 0

Number of Water Samples: 10

06-18-2004

Sample Number :	SBLKKO		SBLKKY					***		
Sampling Location :									ĺ	
Matrix :	Water		Water							
Units:	ug/L		ug/L		j		,		,	
Date Sampled :										İ
Time Sampled :										
%Moisture :	N/A		N/A	İ						
pH:										1
Dilution Factor :	1.0		1.0							
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	25	บ	25	U						
4-NITROPHENOL	25	UJ	25	UJ	- S. / Indicate has the second reserve	e, če saspoklja vesto s	VENERAL SPENISHES BROKE SALDVENNES		CANAGED NEW AND AND	. 9 9
DIBENZOFURAN	10	U	10	บ						
2,4-DINITROTOLUENE	10	U	10	U	. N. 120710797988888 7 9000000	in experimental control		the Charles Continues out a	SAFFILIS NUMBER AUGUS VOUNS LEUN	
DIETHYLPHTHALATE	10	Ü	10	ט						
FLUORENE	10	U	10	U		101174000000000000000000000000000000000	TESSO PERCENTE PERCENT DE MINISTERIO.	5 14 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	The Section Course in the Section Co.	s January et it. ve
4-CHLOROPHENYL-PHENYL ETHER	10	U	10	U						
4-NITROANILINE	25	U	25	U	1.5. 16.000 Aug. NPRISANIEN	ELTY A LOSS REPORTS OF THE		ner a melnelandere	V. and Some contaction of the con-	
4,6-DINITRO-2-METHYLPHENOL	25	U	25	U			191			
N-NITROSO DIPHENYLAMINE	10	U -aassistana	10	U	North Day of Statement and	200 On 2007 Tokash mala	TIN THE PETERS FOR A SERVICE AND A SERVICE AND A	La videbili Nobemic	7 - No. 1 - 1889 (1790-1001), un Annesen (1	
4-BROMOPHENYL-PHENYLETHER	10	U	10	U						
HEXACHLOROBENZENE	10	U ALCARRONICA	10	U		1- 51.30% principal		F. C. 1860V7138684	21. Natha Sadawada Sada ay kasa ay	l i
ATRAZINE	10	U	10	U		000000000000000000000000000000000000000		4410.72 		
PENTACHLOROPHENOL	25	U	25	U		CONTRACTOR MEDI		i a si karagozoren be		
PHENANTHRENE	10	U.	10	U						
VTHRACENE	10	U	10	U State State		1545000 8886		a produkter	Life and developed and the confession	a was tay as site
_ARBAZOLE	10	U	. 10	บ						
DI-N-BUTYLPHTHALATE	10	U	10	U					Sen vasko sin pasotrolo	11000000000
FLUORANTHENE	: 10	U	10	U		74.2				
PYRENE BUTYLBENZYLPHTHALATE	10 10	U	10	U National		RESMEST		on the second	Principal Agreement of the Agreement	g jiragan ne ayar
3,3'-DICHLOROBENZIDINE	10	์ บ	10	U						
BENZO(A)ANTHRACENE	10	U	10	ប <b>ប</b>		11 P. M. 1808 111	A CONTURBUS	000000000000	o fresancieron de l	er trawerd
CHRYSENE	10	U	10	the the distribution				Solids file		
BIS(2-ETHYLHEXYL)PHTHALATE	10	ับ	10 10	U				GRANNE.	- Programmanico secur	
DI-N-OCTYLPHTHALATE	10	U.S.S.S.E.I	10 10	U	e semacija kanti	V 2004 1000 - 10000000000000000000000000000000				HE GAS
BENZO(B)FLUORANTHENE	10	บ่	10	U						
BENZO(K)FLUORANTHENE	10	L Marketi U	10	U		507Z.			, north alberts an that all abrests an	
DENZO/ANDVOENE	10	ů.	10	U				Propriet		7 138ev
INDENO(1,2,3-CD)-PYRENE	10	U	10	U	48/15/19/2016)					
DIBENZO(A,H)-ANTHRACENE	10	Ü	10	U			[] RASE[T 73541		n verkija jäyttä täätt.	J-15.44
BENZO(G.H.I)PERYLENE	10	U		U c U		HANGE.	F. Law British			14414
DENZO(O,HA)FERTLENE	10	υ	10	U						

AROCLOR-1254 AROCLOR-1260 SDG: E0043

U.S. STEEL CORP JOLIET WORKS (IL)

Lab.: Reviewer: Date:

Site:

CEIMIC

S. Tobin 06-18-2004 Number of Soil Samples: 0

Number of Water Samples: 10

Sample Number :	E0043		E0045		E0051		E0053		E0056	
Sampling Location :	G103		G104		G102		G105		G101	
Matrix :	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/3/2004		5/3/2004	
Time Sampled :	12:30		13:15		15:00		15:00	•	16:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH:										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	0,050	บ	0.050	บ	0.050	U	0.050	U	0.050	U
BETA-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DELTA-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
GAMMA-BHC (LINDANE)	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
HEPTACHLOR	0,050	ύ	0.050	U -	0.050	บ	0,050	υ	0.050	U
ALDRIN	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
HEPTACHLOR EPOXIDE	0.050	บ	0.050	u	0.050	U	0.050	บ	0,050	υ
ENDOSU1FAN I	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DIELDRIN	0.10	U	0.10	U	0.10	Ü	0.10	U	0.10	υ
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDRIN	0.10	บ	0.10	บ	0.10	Ü	0.10	U	0.10	U
ENDOSULFAN II	0.10	U	0.10	U	0.10	υ	0.10	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDOSULFAN SULFATE	0.10	U	0.10	υ	0.10	U	0.10	U	0.10	U
4,4'-DDT	0.10	U	0,10	U	0.10	Ü	0,10	U	0.10	U
METHOXYCHLOR	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
ENDRÍN KETONE	0.10	U. I	0.10	U	0.10	U	0.10	U	0.10	ט
ENDRIN ALDEHYDE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ALPHA-CHLORDANE	0.050	U	0,050	U	0.050	U	0.050	บ	0.050	U
GAMMA-CHLORDANE	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
TOXAPHENE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
AROCLOR-1016	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1221	2.0	U	2.0	U	2.0	U	2.0	U	2.0	ับ 🔭
AROCLOR-1232	1.0	U	1.0	U	1.0	U	1.0	U	1.0	Ü
AROCLOR-1242	1.0	U	1.0	U	1.0	ับ	1.0	ט	1.0	υ
AROCLOR-1248	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

SDG: E0043

U.S. STEEL CORP JOLIET WORKS (IL)

Lab. :
Reviewer :

Site:

CEIMIC

S. Tobin 06-18-2004 Number of Soil Samples: 0
Number of Water Samples: 10

E0056MSD E0058 E0077 E0080 E0056MS Sample Number: Sampling Location : G101 G101 FIELD BLANK G106. G107 Water Water Water Water Water Matrix: Units: ug/L ug/L ug/L ug/L ug/L 5/3/2004 5/3/2004 5/3/2004 5/5/2004 5/5/2004 Date Sampled: 16:00 08:40 10:30 16:00 16:40 Time Sampled: N/A %Moisture: N/A N/A N/A N/A pH:

Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	0.050	บ	0.050	U	0.050	U	0.050	U	0.050	U
BETA-BHC	0.050	Ų	0.050	U	0.050	U	0.050	U	0.050	U
DELTA-BHC	0.050	ü	0.050	U	0.050	U	0.050	U	0.050	Ü
GAMMA-BHC (LINDANE)	0.41		0.45		0.050	U	0.050	U	0.050	U
HEPTACHLOR	0.33		0.36		0.050	Ü	0.050	U.	0.050	U
ALDRIN	0.39		0.43		0.050	U	0.050	υ	0.050	U
HEPTACHLOR EPOXIDE	0.050	U	0.050	U	0.050	u	0.050	U	0.050	U
ENDOSU1FAN I	0.050	·U	0.050	U	0.050	U	0.050	U	0.050	U
DIELDRIN	0.87		0.92		0.10	U	0,10	Ü	0.10	U .
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDRIN	0.91		0,96		0.10	U	0.10	U	0.10	U
ENDOSULFAN II	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDD	0,10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDOSULFAN SULFATE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT	0.72		0.77		0.10	U	0.10	Ú	0.10	U
THOXYCHLOR	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
_NDRIN KETONE	0.10	U	0.10	U	0.10	U	0.10	Ü	0.10	U
ENDRIN ALDEHYDE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ALPHA-CHLORDANE	0.050	U	0.050	U	0.050	υ	0.050	U	0.050	Ū
GAMMA-CHLORDANE	0.050	U	0.050	U	0.050	U.	0.050	υ	0.050	U
TOXAPHENE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
AROCLOR-1016	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1221	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
AROCLOR-1232	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1242	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1248	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1254	1.0	U	1.0	U	1.0	U	1.0	υ	1.0	U
AROCLOR-1260	1.0	U	1.0	U	1.0	U	1.0	U	1.0	υ

SDG: E0043

U.S. STEEL CORP JOLIET WORKS (IL)

Lab. : Reviewer : CEIMIC

Date :

Site:

S. Tobin 06-18-2004 Number of Soil Samples: 0

Number of Water Samples: 10

Sample Number :	PBLK01		PBLK02							
Sampling Location :									·	1
Matrix :	Water		Water							ļ
Units:	ug/L		ug/L							
Date Sampled :			İ							
Time Sampled :										l
%Moisture :	N/A		N/A							
pH:										j
Dilution Factor :	1.0		1.0						İ	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	0.050	U	0.050	U						
BETA-BHC	0.050	U	0.050	U	atio cheedana ees essa generoores.	ACCOMMENSAC	- 1.221, 2.88689989 1885 (1970) 1886 133	Section of Section 2018, 1	da Santana Santana	
DELTA-BHC	0,050	U .	0.050	U						
GAMMA-BHC (LINDANE)	0.050	U	0.050	U	: 1, a this V-th contribution rev	ESS-A CEDA SHROW		The Section Code of Code	TERRETA DE LA CAMBINA DE CIONTE	151-1700 Page 8
HEPTACHLOR	0.050	U	0.050	U			7		A Facilities	
ALDRIN	0.050	U	0.050	U		SOCRETE STREET			i - Mrof Khwon alianthalla ann a	Auto CAR See
HEPTACHLOR EPOXIDE	0.050	U.	0.050	U		1.71		180		
ENDOSU1FAN I	0.050	U	0.050	U		ra CSSessorcastoro		r - Promining School	i i i turu kandesbesteti kafir	2 1 N 2 D 1 2 1 2
DIELDRIN	0.10	U	0.10	U		SULEZ.				
4,4'-DDE	0.10	U	0.10	U	Christian service de la company	UNDERSONATOR	n vince 2 veregover i Sportskuptivanskop opporter i se	of of the sleet SCFF	TORINGO, LUCIUS EUROS (M. 1757) (M. 1757)	
ENDRIN	0,10	U	0.10	U					Constitution (	
ENDOSULFAN II	0.10	U	0.10	U	n vis 1881 Albania trabandas	Narodone Nede	BETTORIONAL PROPERTIES.	to the controlled	Transa sa manganasi	
4,4'-DDD	0.10	U	0.10	U			100			
ENDOSULFAN SULFATE	0.10	U	0.10	U		. 574. 020.0000	k ila tirattiz abancanın wala l		Sur of the wise is a substitute of	10.000 830
4,4'-DDT	0.10	U	0.10	U						
METHOXYCHLOR	0.50	U	0.50	U		Charle (40.004.9889)			PVBP-: Mailtreachtain	radica Nasawa
ENDRIN KETONE	0.10	U	0.10	U			100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A			
ENDRIN ALDEHYDE	0.10	U	0.10	U		uisveidfilbedard	and the regard physics are the re-	250, ki 200, k <del>i</del> 25	Listagara e seves travas near i	
ALPHA-CHLORDANE	0.050	U	0.050	U				11,000 1000 1000 1000		
GAMMA-CHLORDANE	0.050	Ü	0.050	U care introdes	7 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	.c. vastur 9860 i	NACCES SECTIONS	Constitution	Longer Burger, Machine (1990)	Ade interesting
TOXAPHENE	5.0	υ	5.0	U						A Section
AROCLOR-1016	1.0	U Markaran	1.0	U	na Sistanasanduksineda.	no calesterno	/ Harandaran	light to Kills	0-000000000000000000000000000000000000	6-1-16-20 1-1-16-20 1-1-16-20 1-1-16-20 1-1-16-20 1-1-16-20 1-1-16-20 1-1-16-20 1-1-16-20 1-1-16-20 1-1-16-20 1-1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-20 1-16-2
AROCLOR-1221	2.0	U	2.0	U				202		S SEMESTER
AROCLOR-1232	1.0	U	1.0	U T. T. POST		Prenezansi		e managan	Towns in the street was the	· Vind Addition
AROCLOR 1242	1.0	Udita	1.0	U						
AROCLOR-1248	1.0 	U	1.0	U	y Tydadiayidadada	TORFIGE AN	SIC POSESPENDADAS		roiduen elektropak	N. Rossnad
AROCLOR-1254	1.0	U :	1.0	Ü						
AROCLOR-1260	1.0	U	1.0	Ü						

## Regional Transmittal Form

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

DATE:	
SUBJE	CT: Review of Data Received for Review on 5-28-04
FROM	Stephen L. Ostrodka, Chief (SMF-4J) Superfund Field Services Section
TO:	Data User: LEFA
	Ve reviewed the data for the following case:  NAME: US STEEL CHRP, JOLIET WORKS (IL)
	NUMBER: 32839 SDG NUMBER: 60043
Numbe	r and Type of Samples: 10 (WATER)
Sample	Numbers: 80043, 45, 51, 53, 56, 58, 61, 77, 79-80
Labora	tory: Hrs for Review:
Follow	ing are our findings:
CC:	Howard Pham Region 5 TPO Mail Code: SM-5J

# SAMPLE DELIVERY GROUP (SDG) TRAFFIC REPORT (TR) COVERSHEET

Lab Name: Ceimic Corporation	Lab Code: CEIMIC
Case No.: 32839	Bid Lot: D
Contract No: 68W03018	Full Sample Analysis Price: \$266.00
First Sample in SDG: E0043  (Lowest EPA Sample Number in the first shipment of samples received under SDG.)	Sample Receipt Date: 5/4/2004
Last Sample in SDG: E0080 (Highest EPA Sample Number in the last shipment of samples received under SDG.)	Sample Receipt Date: 5/6/2004
EPA Sample Numbers in the SDG (lis	sted in alphanumeric order by date received)
1. E0043	11.
<b>2.</b> E0045	12.
<b>3.</b> E0051	13.
<b>4.</b> E0053	14.
<b>5.</b> E0056	15.
<b>6.</b> E0058	15. 16. 17.
<b>7.</b> E0061	17.
<b>8.</b> E0077	18.
<b>9.</b> E0079	19.
<b>10.</b> E0080	20.
Note: There are a maximum of 20 fie.	eld samples in an SDG.
Attach Traffic Reports to this form in (i.e. The order listed of	alphanumeric order by date received.
1000000 in in allow	n = l n / n

1000	<b>P</b>

## **USEPA Contract Laboratory Program** Organic Traffic Report & Chain of Custody Recul

Case No:	32	839		
DAS No:		,		
SDG No: EOO	41	EDO	43	<u>L</u>

<u> </u>	Date Shipped:	hipped: 5/3/2004		Chain of Custody		Sampler Sames M. Salel			For Lab Use Only		
İ	Carrier Name:	UPS		Relinquished By	(Date / Time)	Received By	(Date / Time)	Lab Cont	ract No:	68W03018	
	Airbill:	1Z6215892210023		Dance M. Ata	LL 5/3/01 18:30	Elizaletth Istin	05]04 04 10:30	Unit Price	e:	D13	
	Shipped to:	Ceimic Corporation 10 Dean Knauss D		72	AS	<del>- )</del>	O	Transfer	To:	EA	
		Narragansett RI 02 (401) 782-8900		3		osloyloy		1		05/04/04	
		(401) 702-0900				100		Lab Cont		7,00	
		1.		4				Unit Pric		FOR LAR LICE ON V	
	ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No.J PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLI DATE/TIM		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt	
	E0040	Soil/Sediment/ Jim Salch	ĽG	VOA (21)	5-278150 (Ice Only) (1)	X101	S: 5/3/2004		ME0040 ♣5	ample not received eremail. EA 05/04/0	
	E0041	Sediment/ Jim Salch	L/G	VOA (21)	5-278154 (Ice Only), 5-278155 (Ice Only) (2)	X123	S: 5/3/2004	11:45			
	E0042	Sediment/ Jim Salch	L/G	VOA (21)	5-278158 (Ice Only), 5-278159 (Ice Only) (2)	X128	S: 5/3/2004	11:00	ME0042	2	
	E0043 🏑	.Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-278162 (HCL), 5-27816 (HCL), 5-278164 (Ice Onl 5-278165 (Ice Only) (4)		S: 5/3/2004	12:30	ME0043	A	
	E0045 🗸	Ground Water/ Jim Salch	Ļ/G	BNA (21), PEST (21), VOA (21)	5-278169 (HCL), 5-27817 (HCL), 5-278171 (Ice Onl 5-278172 (Ice Only) (4)	70 G104 ly),	S: 5/3/2004	13:15	ME0045	W.	
	E0047	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-278176 (Ice Only) (1)	X131	S: 5/3/2004	13:00	ME0047	Xo.	
	E0048	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-278180 (Ice Only) (1)	X132	S: 5/3/2004	12:20	ME0048 <b>S</b>	Aulou V	
	E0049	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-278184 (Ice Only) (1)	X145	S: 5/3/2004	. 13:10		COPY	
	E0050	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-278188 (Ice Only) (1)	X108	S: 5/3/2004	14:45		ginal Documents are included in CSF	
	E0055	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-217406 (Ice Only) (1)	X121	S: 5/3/2004	15:45	ME0055	E0041	

I	• •	Sample(s) to be used for laboratory QC:	radicional compress organical (-)	Cooler Temperature	27984, 27985, 27961, 27963
١	Complete?N	OK 05/04/04		4°C 6°C 6°C.	, , , , , , , , , , , , , , , , , , , ,
١				+ 10 , 5 0	Custody Seal Intact?  Shipment Iced?
1	Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	,	Custody Seal Intact? <u>V</u> Shipment Iced? <u>V</u>
ч			N.D. TOL M. J. I'll-		,
1	BNA = CLP TCL Semivo	latiles, PEST = CLP TCL Pesticide/PCBs, VOA = 0	CLP TCL Volatiles		
- 1					

LABORATORY

TR Number: 5-314975591-050304-0004

CPR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222



# USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Record

Case No:	32839	
DAS No:		
SDG No.		_

			· · · · · · · · · · · · · · · · · · ·		
Date Shipped:	5/3/2004	Chain of Custody Record	Sampler Signature: James M. Atleh 5/3/04 18:30	For Lab Use Only	
Carrier Name:	UPS	Relinquished By (Date / Time)	Received By (Date / Time)	Lab Contract No: 68 W 030 18	
Airbill:	1Z6215892210023750	Al we 1/1 5/2/1 19:20	Elizaleth Istuig 10:30	Unit Price: $\mathcal{D}(3)$	
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive	Jams KM, Jakob 5/3/04 18:30	Congression 10:50	Transfer To:	
	Narragansett RI 02882 (401) 782-8900	3	05/04/ay	Lab Contract No:	
		4		Unit Price:	_
			CAMPLE COL	LECT INORGANIC FOR LARIESE ON V	

i.	ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No J PRESERVATIVE/ Bottles	STATION LOCATION		SAMPLE COL DATE/TIM		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
-	E0051	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-278192 (HCL), 5-278193 (HCL), 5-278194 (Ice Only), 5-278195 (Ice Only) (4)	G102	· S: 5/	/3/2004	15:00	ME0051	EA 057
	E0053 🗸	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)		G105	S: 5	/3/2004	15;00	ME0053	Joyloy
	E0061 🗸	Ground Water/ Jim Salch	L/G	VOA (21)	(HCL) (4) 5-217442 (HCL), 5-217443 (HCL) (2)	Trip Blank	S: 5	/3/2004	17:00		

Shipment for Case Complete?N	Sample(s) to be used for laboratory ac:	Additional Sampler Signature(s):		Chain of Custody Seal Number: 27961, 27963, 27984, 27985					
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = C		Custody Seal Intact?  \( \frac{}{} \) Shipment lced? \( \frac{}{} \)					
BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles									



# USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Re

Case No:

32839

DAS No:

SDG No: E0043

Sampler For Lab Use Only **Chain of Custody Record** 5/3/2004 Date Shipped: Signature: 68W03018 Carrier Name: **UPS** (Date / Time) Received By Relinquished By (Date / Time) Lab Contract No: 05/04/04 Airbill: 1Z6215892210023732 DIS Unit Price: Ceimic Corporation Shipped to: 10 Dean Knauss Drive Transfer To: ostoylog Narragansett RI 02882 (401) 782-8900 3 Lab Contract No: 4 Unit Price:

<u></u>	ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLI DATE/TIM		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
<u> </u>	E0056 \/	Ground Water/ Jim Salch Ground Water/ Jim Salch	L/G L/G	BNA (21), PEST (21), VOA (21) BNA (21), VOA (21)	5-217410 (HCL), 5-217411 (HCL), 5-217412 (HCL), 5-217413 (HCL), 5-217414 (HCL), 5-217415 (HCL), 5-217416 (Ice Only), 5-217416 (Ice Only), 5-217418 (Ice Only), 5-217419 (Ice Only), 5-217420 (Ice Only), 5-217421 (Ice Only), 5-217421 (Ice Only) (12) 5-217431 (HCL), 5-217432 (HCL), 5-217433 (Ice Only) (3)	G101 Field Blank	S: 5/3/2004 S: 5/3/2004	16:00 16:40	ME0056 ME0058	EA °5/04/04

i.	Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: E0056	Standitional Sampler Signature(s):	Cooler Temperature Upon Receipt: ZC,	Chain of Custody Seal Number:  27984 + 27985 27966 1 27963
	Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab =	G ,	Custody Seal Intact?  Shipment Iced?
	BNA = CLP TCL Semive	platiles, PEST = CLP TCL Pesticide/PCBs, VOA = C	CLP TCL Volatiles		



## **USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Record**

Case No: 32839

DAS No:

SDG No: E0043

Date Shipped:	5/3/2004		Chain of Custod	ly Record	Sampler Signature: Januar	M. Maleh	For La	b Use Only	
· Carrier Name:	UPS		Relinquished By	(Date / Time)	Received By	(Date / Time)	Lab Con	tract No:	68W03018
Airbill: Shipped to:	1Z6215892210023 Ceimic Corporation		James M. An	Leh = (3/04 18:30	Elizaleth	string 05/04/04	Unit Pric		D13
Simpped to:	10 Dean Knauss D Narragansett RI 02	rive	1/2		•	)	Transfer	To:	AS
	(401) 782-8900	.002	3		osloy oy		Lab Con	tract No:	05/04/
			4				Unit Pric	e:	404
ORGANIC SAMPLE No		CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLI DATE/TIM		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0058 🏑	Ground Water/	L/G	PEST (21)	5-217434 (Ice Only) (1)	Field Blank	S: 5/3/2004	16:40	ME0058 -	EA 057041

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:  SA 05704104	Additional Sampler Signature(s):		Chain of Custody Seal Number: 27989, 27985, 27961, 27963	
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	1	Custody Seal Intact?  Shipment Iced?	$\overline{\underline{V}}$
PEST = CLP TCL Pestion	cide/PCBs				

TR Number:



# USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Record

Case No:	32839		_
DAS No:		4-	
SDG No: EOC	74B		<u> </u>

	· ·					
Date Shipped:	5/5/2004	Chain of Custody Record	Sampler Family Salis		For Lab Use On	1y 68W03018
Carrier Name:	UPS	Relinquished By / / C (Date / Time)	Received By (Date / Ti	me)	Lab Contract No:	68W03U1Z
Airbill:	1Z6215892210023205	16 1. 1.11 5/5/14/1930	Elizalett Istuja 05	706/04	Unit Price:	D 3
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive	2 EA	33007 2 330		Transfer To:	EA
	Narragansett RI 02882 (401) 782-8900	3	<u>०इ/०५/०५</u>		Lab Contract No:	oslowlog
		4			Unit Price:	

				II.					
ORGANIC SAMPLE No.	MATRIX <i>I</i> SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COL DATE/TIN		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0077	Ground Water/ Jim Salch	L/G	VOA (21)	5-66366 (HCL), 5-66367 (HCL), 5-66368 (Ice Only),	G106	S: 5/5/2004	8:40	ME0077 \	EA 057
E0079	Ground Water/ Ken Corkill	L/G	VOA (21)	5-66369 (Ice Only) (4) 5-66373 (HCL), 5-66374 (HCL) (2)	Trip Blank5/5/04	S: 5/5/2004	11:00		05/06/04
E0080 🧚 🏑	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-66375 (HCL), 5-66376 (HCL), 5-66377 (Ice Only), 5-66378 (Ice Only) (4)	G107	S: 5/5/2004	10:30	ME0080	

*= last sample in SDG E0043

Shipment for Case	Sample(s) to be used for laboratory QC:	Additional Sampler Signatur	re(s):	Cooler Temperature	Chain of Custody Seal Num	ber:
Complete?N	EA	05/06/04		Upon Receipt: 5°C	82863	,
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate:	Composite = C, Grab = G		Custody Seal Intact?	Shipment Iced?
	L platiles, PEST = CLP TCL Pesticide/PCBs, VOA = 0	CLP TCL Volatiles				

TR Number: 5-314975591-050504-0004

LABORATORY COPY

#### **SDG** Narrative

The enclosed data package is in response to USEPA, Region V, Case No. 32839, and SDG No. E0043, Contract No. 68-W-03-018. Under this SDG there are 12 VOA, 10 SVOA and 10 PEST/PCB samples received at Ceimic Corporation on May 4 and 6, 2004.

EPA ID:	CEIMIC ID:	<u>Analysis</u>
E0043	040368-01	VOA, SVOA, PEST/PCB
E0045	040368-02	VOA, SVOA, PEST/PCB
E0051	040368-03	VOA, SVOA, PEST/PCB
E0053	040368-04	VOA, SVOA, PEST/PCB
E0061	040368-05	VOA
E0056	040368-06	VOA, SVOA, PEST/PCB
E0056MS	040368-06MS	VOA, SVOA, PEST/PCB
E0056MSD	040368-06MSD	VOA, SVOA, PEST/PCB
E0058	040368-07	VOA, SVOA, PEST/PCB
E0077	040368-08	VOA, SVOA, PEST/PCB
E0079	040368-09	VOA
E0080	040368-10	VOA, SVOA, PEST/PCB

## (1) Sample Receipt

Cooler Temperatures upon receipt were 2°C, 4°C, 5°C and 6°C.

### (2) Instrumentation and Column Identification

The following instruments were used for the analyses:

## GC/ECD Analysis

### A. VOA

MS12 HP5973 GC/MS, 30m, 0.25mm ID, 1.4 um, RTX-624 capillary column. OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

## B. SVOA

MS11 HP6890 GC, HP5973MS,30 m,0.25 mm ID, ZB-5 fused silica capillary column

### C. PEST/PCB

AD8: HP5890II (GC7) using 30m x 0.53mm ID, DB5 megabore column AD9: HP5890II (GC7) using 30m x 0.53mm ID, DB1701 megabore column

## (3) Sample Information

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letter "M" for GC/MS and for GC is used on the raw data of the quantitation report whenever a manual integration is performed. Manual integrations are performed on GC/MS and GC standards and samples when computer generated integration picks up only a portion of the chromatographic peak, due to software limitations. When manual integrations are required, these integrations are performed using sound defensible professional judgment, in order to report accurate data. Each manual integration is signed and dated, and reviewed by both the lab supervisor and the GC/MS Interpretation Specialist for GC/MS or the Organic Lab Manager for Pest/PCB.

## A. VOA Fraction (Method CLP SOW OLM04.3)

The pHs of the water samples were:

	•	
Client ID:	Ceimic ID:	pH:
E0043	040368-01	1
E0045	040368-02	1
E0051	040368-03	1
E0053	040368-04	1
E0056	040368-05	. 1
E0058	040368-06	1
E0061	040368-07	1
E0077	040368-08	1
E0079	040368-09	1
E0080	040368-10	1

The air bill #UPS1Z621589 associated with samples E0043 and E0045 was received ripped in the upper left corner. The recovery of the spike compound trichloroethene was flagged as an outlier in the matrix spike and matrix spike duplicate.

## B. SVOA Fraction (Method CLP SOW OLM04.3)

Aqueous Sample Reference Table:

Client ID	Ceimic ID
E0043	040368-01
E0045	040368-01
E0051	040368-03
E0053	040368-04
E0056	040368-06
E0058	040368-07
E0077	040368-08
E0080	040368-10

Manual quantitations were performed on one or more of the process files associated with this SDG, including samples E0045 and E0077. One base surrogate failed quality control criteria in E0043. The recovery of the spike compound 4-nitrophenol was flagged as an outlier in the matrix spike. The recoveries of the spike compounds 4-nitrophenol and pentachlorophenol were flagged as outliers in the matrix spike duplicate.

C. PEST/PCB Fraction (Method CLP SOW OLM04.3)

No non-compliances noted.

## **Deviations from the SOW**

None other than specified above.

End of SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Ines Bauer, Ph. IQ

Laboratory Manager

Date

ALKANE NARRATIVE REPORT Report date : 05/18/2004 SDG: E0043

Client Sample ID: E0080 mpound	Lab Sample ID: 040368-10 RT Est. Conc.	
Unknown Straight Chain Alkane	11.37 10	<b>J</b>
Unknown Straight Chain Alkane	11.68 9	J
Unknown Straight Chain Alkane	12.01 10	J

## Ryan Montalbano

From:

Ryan Montalbano [rmontalbano@ceimic.com]

Sent:

Tuesday, May 04, 2004 4:30 PM

To:

Jessica Brown (E-mail)

Subject:

Case 32839 airbill problems (05/04/04)

Hi Jessica.

The cooler containing samples E0043 and E0045 in Case 32839 contained an airbill which was partially torn off.

Since each airbill number provided by the sampler was subdivided after-the-fact by UPS (due to the fact that there were more coolers than airbills), we have no way of telling what this airbill number should have been. The tracking number starts with 1Z621589....

#### -Ryan

Ryan Montalbano
Supervisor, Inorganic Chemistry Laboratories
Ceimic Corporation
10 Dean Knauss Drive
Narragansett, RI 02882
(401)782-8900
Fax (401)782-8905
rmontalbano@ceimic.com

## WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

	EPA	SMC1	SMC2	SMC3	OTHER	TOT
	SAMPLE NO.	(TOL)#	(BFB)#	(DCE)#		OUT
		========	========			
01	VBLKLQ	100	88	94		0
02	E0056	100	88	98		0
03	E0056MS	98	88	104		0
04	E0056MSD	102	88	104		. 0
0.5	E0043	100	86	98		. 0
06	E0045	100	90	98		0
07	E0051	100	88	100		0
80	E0053	100	88	100		0
09	E0061	100	88	98		0
10	VBLKLR TO SEE	98	90	98		0
11	E0058	96	88	102		0
12	E0077	98	86	98		0
13	E0079	96	88	98		0
14	E0080	96	86	102		0
15	VHBLK01	96	88	100		0
16						
17						
18						-
19						
20 31		·.				
22 21				****		
23						
			-			
24 25						ļ
25						
27						
28						
29						
30				<u> </u>		

QC LIMITS (88-110) (86-115) SMC1 (TOL) = Toluene-d8 (88-110) SMC2 (BFB) = Bromofluorobenzene (86-115) SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

# Column to be used to flag recovery values

* Values outside of contract required QC limits

## WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix Spike - EPA Sample No.: E0056

COMPOUND	SPIKE SAMPLE ADDED CONCENTRAT (ug/L) (ug/L)		MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	58	116	61-145
Trichloroethene	50	0.0	. 61	122*	71-120
Benzene	50	0.0	57	114	76-127
Toluene	50	0.0	61	122	76-125
Chlorobenzene	50	0.0	60	120	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC L: RPD	IMITS REC.
1,1-Dichloroethene	50	58	116	0	14	61-145
Trichloroethene	50	61	122*	O.	14	71-120
Benzene	50	58	116	2	11	76-127
Toluene	50	62	124	2	13	76-125
Chlorobenzene	50	59	118	2	13	75-130

# Column to be used to flag recovery and RPD values with an asterisk

*	Values	outside	of	QC	limits

RPD: 0 out of 5 outside limits Spike Recovery: 2 out of 10 outside limits

COMMENTS:	

VBLKLQ

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839

SAS No.: SDG No.: E0043

Lab File ID: LU256

Lab Sample ID: V120506-B1

Date Analyzed: 05/06/04

Time Analyzed: 1004

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MS12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

EPA	LAB	LAB	TIME
SAMPLE NO.	SAMPLE ID	OT BITT	ANALYZED
			ו עראראניז ביייי
		*	========
			1621
		LU267	1658
		LU268	1734
0043	040368-01	LU269	1810
0045	040368-02	LU270	1845
0051	040368-03		1922
E0053	040368-04		1957
0061	040368-05		2033
*			
			· · · · · · · · · · · · · · · · · · ·
			9
		_	
			-
	SAMPLE NO. ======= 0056 0056MSD 0043 0045 0051 0053 0061	SAMPLE NO. SAMPLE ID  0056 040368-06  0056MS 040368-06MS  0056MSD 040368-06MSD  0043 040368-01  0045 040368-02  0051 040368-03  0053 040368-04  0061 040368-05	SAMPLE NO. SAMPLE ID FILE ID  0056 040368-06 LU266 0056MS 040368-06MS LU267 0056MSD 040368-06MSD LU268 0043 040368-01 LU269 0045 040368-02 LU270 0051 040368-03 LU271 0053 040368-04 LU272 0061 040368-05 LU273

COMMENTS:	

page 1 of 1

FORM. IV VOA

OLM04.3

# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKLR

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Lab File ID: LU283

Lab Sample ID: V120507-B1

Date Analyzed: 05/07/04

Time Analyzed: 1643

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MS12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
•				-=======
01	E0058	040368-07	LU296	0033
02	E0077	040368-08	LU297	0109
03	E0079	040368-09	LU298	0144
04	E0080	040368-10	LU299	0219
05	VHBLK01	040368-21	LU300 .	0253
06				
07				
08				
09				
10				
11				
12				
13				
14			,	
15				
16				
17				
18				
19				
20				
21			·	
22				
23	,			
24				
25				
26			·	
27				
28				
29				
30				

COMMENTS:	•			

page 1 of 1

FORM IV VOA

OLM04.3

E0043	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-01

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU269

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	Ū
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	Ū
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	Ū
. 75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	Ū
156-60-5	trans-1,2-Dichloroethene	10	Ū
1634-04-4	Methyl tert-Butyl Ether	10	Ū
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	Ū
78-93-3	2-Butanone	10	Ū
67-66-3	Chloroform	10	Ū
71-55-6	1,1,1-Trichloroethane	10	Ū
110-82-7	Cyclohexane	10	Ū
56-23-5	Carbon Tetrachloride	10	Ü
71-43-2	Benzene	10	Ū
107-06-2	1,2-Dichloroethane	10	U

EPA SAMPLE NO.

E0043

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-01

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU269

Date Received: 05/04/04

% Moisture: not dec. _____

Level: (low/med) LOW

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	10	Ü
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	Ū
75-27-4	Bromodichloromethane	10.	U -
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	Ū
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	Ū
124-48-1	Dibromochloromethane	10	Ü
106-93-4	1,2-Dibromoethane	10	Ŭ
108-90-7	Chlorobenzene	10	Ŭ
100-41-4	Ethylbenzene	10	Ū
1330-20-7	Xylene (Total)	10	Ū
100-42-5	Styrene	10	Ū
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene (	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	Ū
120-82-1	1,2,4-Trichlorobenzene	10	Ū

FORM I VOA-2

OLM04:

1 F

EPA SAMPLE NO.

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

NTATIVELY	IDENTIFIED	COMPOUNDS		
			E0043	
	Contract	- 68-W-03-018	·	

Lab	Name:	CEIMIC	CORP	Contract:	68-W-03-03

Number TICs found: 0

29. 30.

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU269

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. ____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: ____(uL) Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

COMPOUND NAME CAS NUMBER RTEST. CONC. Q _____| ____| ____| 9. 10. 11. 12. <del>14</del>. 15. 16. 17. 18. 19. 20. 21. 23. 24. 25. 26. 27. 28.

FORM I VOA-TIC

OLM04.3

EPA SAMPLE NO.

E0045

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-02

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU270

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	Ū
74-83-9	Bromométhane	10	Ū
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	Ū
75-35-4	1,1-Dichloroethene	10	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	Ū
79-20-9	Methyl Acetate	10	Ū
75-09-2	Methylene Chloride	10	Ū
156-60-5	trans-1,2-Dichloroethene	10	Ū
1634-04-4	Methyl tert-Butyl Ether	10	·U
75-34-3	1,1-Dichloroethane	10	Ū
156-59-2	cis-1,2-Dichloroethene	10	Ū
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	Ū,
71-55-6	1,1,1-Trichloroethane	.10	Ū
110-82-7	Cyclohexane	10	Ū
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	Ū
107-06-2	1,2-Dichloroethane	10	Ū

EPA SAMPLE NO.

E0045
-------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-02

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU270

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

79-01-6	Trichloroethene	10	T T T
		10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	Ū
108-88-3	Toluene	1.0	Ū
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	Ū
127-18-4	Tetrachloroethene	10	Ū
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	Ū
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	TU
98-82-8	Isopropylbenzene	10	TÜ
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
541-73-1	1,3-Dichlorobenzene	10	Ū
106-46-7	1,4-Dichlorobenzene	10	Ū
95-50-1	1,2-Dichlorobenzene	10	Ū
96-12-8	1,2-Dibromo-3-chloropropane	10	Ū
120-82-1	1,2,4-Trichlorobenzene	10	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0045 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-02

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU270

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec. _____

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

Number TICs found: 0

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
19. 20. 21.				
21.				
22.				
23.				
24.				
25. 26.	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon			
27.				
28.				
29.				
30.				<u>.</u>
30.				

FORM I VOA-TIC

OLM04.3

EPA SAMPLE NO.

	E0051
-03-018	1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-03

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU271

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	Ū
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	10	Ŭ
75-35-4	1,1-Dichloroethene	10	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	Ū
75-09-2	Methylene Chloride	10	Ū
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	Ū
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	Ū
71-55-6	1,1,1-Trichloroethane	10	Ū
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	Ū
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	Ü

EPA SAMPLE NO.

E0051

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-03

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU271

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

•			
79-01-6	Trichloroethene	10	Ŭ
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U .
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	U.
79-00-5	1,1,2-Trichloroethane	.10	Ū
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	_ 10	U
100-41-4	Ethylbenzene	10	Ū
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	10	Ū.
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
541-73-1	1,3-Dichlorobenzene	10	Ŭ
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1 2 4-Trichlorobenzene	10	TT

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0051	
-------	--

Lab Name: CEIMIC CORP

Co

		E0051	
ntract:	68-W-03-018		

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-03

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU271

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec. ____

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Number TICs found: 0

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

COMPOUND NAME	RT	EST. CONC.	Q
	======	=========	=====
	· ·		

EPA SAMPLE NO.

E0053

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-04

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU272

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	Ū
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	Ŭ
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ū
67-64-1	Acetone	10	Ū
75-15-0	Carbon Disulfide	10	Ū
79-20-9	Methyl Acetate	10	U į
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	Ŭ
1634-04-4	Methyl tert-Butyl Ether	10	Ū
75-34-3	1,1-Dichloroethane	10	Ū
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	Ū
67-66-3	Chloroform	10	Ū
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	Ū
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U .

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-04

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU272

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

	10 Ü	
	10 U	
	10 U	
	10 U	
	10 U	
	10 U	
	10 U	
trans-1,3-Dichloropropene	10 U	
	10 U	
Tetrachloroethene	10 U	
2-Hexanone	10 U	
	10 U	
	10 U	
Chlorobenzene	10 U	
Ethylbenzene	10 U	
Xylene (Total)	10 U	
Styrene	10 U	
Bromoform	10 U	
Isopropylbenzene	10 U	
1,1,2,2-Tetrachloroethane	. 10 U	
1,3-Dichlorobenzene	10 U	
1,4-Dichlorobenzene	10 U	
1,2-Dichlorobenzene	10 U	
1,2-Dibromo-3-chloropropane	10 U	
1,2,4-Trichlorobenzene	10 U	
	Dibromochloromethane  1,2-Dibromoethane Chlorobenzene Ethylbenzene Xylene (Total) Styrene Bromoform Isopropylbenzene 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dibromo-3-chloropropane	Methylcyclohexane       10       U         1,2-Dichloropropane       10       U         Bromodichloromethane       10       U         cis-1,3-Dichloropropene       10       U         4-Methyl-2-Pentanone       10       U         Toluene       10       U         trans-1,3-Dichloropropene       10       U         1,1,2-Trichloroethane       10       U         Tetrachloroethane       10       U         2-Hexanone       10       U         Dibromochloromethane       10       U         1,2-Dibromoethane       10       U         Chlorobenzene       10       U         Ethylbenzene       10       U         Styrene       10       U         Bromoform       10       U         Isopropylbenzene       10       U         1,2,2-Tetrachloroethane       10       U         1,3-Dichlorobenzene       10       U         1,4-Dichlorobenzene       10       U         1,2-Dichlorobenzene       10       U         1,2-Dichlorobenzene       10       U         1,2-Dichlorobenzene       10       U         1,2-Dibromo-3-

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0053
-------

Contract: 68-W-03-018 Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-04

Lab File ID: LU272 Sample wt/vol: 5.000 (g/mL) ML

Date Received: 05/04/04 Level: (low/med) LOW

Date Analyzed: 05/06/04 % Moisture: not dec.

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL) Soil Extract Volume: ____(uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/L Number TICs found: 0

	COMPOUND NAME	RT	EST. CONC.	Q
			=========	
1.				
3.				
4.				
5.				
6.				
7.				
8.				,
9.				
10.			·	
11.				
12.		-		
13.				
14. 15.	-			
16.				
17.				
18.				
19:				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.	•			
28.				
29.				
30.				i

EPA SAMPLE NO.

	*	E0056
Lab Name: CEIMIC CORP	Contract: 68-W-03-018	

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU266

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

,				
75-71-8	Dichlorodifluoromethane	1	0	U
74-87-3	Chloromethane	1	0	U
75-01-4	Vinyl Chloride	1	0 .	Ū
74-83-9	Bromomethane	1	0	Ū
75-00-3	Chloroethane	1	0 1	Ū
75-69-4	Trichlorofluoromethane	1	0	Ū
75-35-4	1,1-Dichloroethene	1	0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	Ū
67-64-1	Acetone	1	0	Ū
75-15-0	Carbon Disulfide	1	0	Ū
79-20-9	Methyl Acetate	1	0	Ū
75-09-2	Methylene Chloride	1	0 1	Ū
156-60-5	trans-1,2-Dichloroethene	1	0	Ū
1634-04-4	Methyl tert-Butyl Ether	1	0	U .
75-34-3	1,1-Dichloroethane	1	0 1	Ū
156-59-2	cis-1,2-Dichloroethene	1	0	U
78-93-3	2-Butanone	1	0	U
67-66-3	Chloroform	1	0	U
71-55-6	1,1,1-Trichloroethane	1	0	U
110-82-7	Cyclohexane	1	0. 1	U
56-23-5	Carbon Tetrachloride	1	0 1	Ū
71-43-2	Benzene	1	0	Ū
107-06-2	1,2-Dichloroethane	1:	0	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

		,			E0056	
~+ -	C0	T.7	0.0	0.10		

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-06

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU266

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

CAS NO.

COMPOUND

79-01-6	Trichloroethene	10	Ū
108-87-2	Methylcyclohexane	10	Ū
78-87-5	1,2-Dichloropropane	10	Ū
75-27-4	Bromodichloromethane	. 10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	Ū
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	. 10	U
100-41-4	Ethylbenzene	10	Ū
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	Ū
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
.541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	Ū
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1 2 4-Trichlorobenzene	10	TT

Lab Code: CEIMIC Case No.: 32839 SAS No.:

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0056 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-06

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU266

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec. ____

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Number TICs found: 0

- CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	=======================================	======	==========	=====
2.				
3.				
4.				
5.				
6.				77810
7. 8.				
9.				
10.				
11:				
12.				
13.				
14.				
15. 16.				
17.				
18.				
19.				
20.				
21.				
22.			· · · · · · · · · · · · · · · · · · ·	
23.				
24.				
25. 26.				
27.				
28.				
29.				
30.				

EPA SAMPLE NO.

E0056MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-06MS

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU267

Date Received: 05/04/04

Level: (low/med) LOW

% Moisture: not dec. _____

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

1	7' 17 7' 67	10	IJ
75-71-8	Dichlorodifluoromethane	10	
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	Ŭ
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	58	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	Ŭ
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U _.
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	Ü
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	57	
107-06-2	1,2-Dichloroethane	10	U

EPA SAMPLE NO.

E0056MS Contract: 68-W-03-018

Lab Name: CEIMIC CORP

SDG No.: E0043

Lab Code: CEIMIC Case No.: 32839 SAS No.:

Matrix: (soil/water) WATER

Lab Sample ID: 040368-06MS

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU267

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

79-01-6	Trichloroethene	61	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U ·
108-88-3	Toluene	61	
10061-02-6	trans-1,3-Dichloropropene	10	Ū
79-00-5	1,1,2-Trichloroethane	10	Ū
127-18-4	Tetrachloroethene	10	Ū
591-78-6	2-Hexanone	10	Ū
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	Ū
108-90-7	Chlorobenzene	60	· · · · · · · · · · · · · · · · · · ·
100-41-4	Ethylbenzene	10	Ū
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	Ū
75-25-2	Bromoform	10	Ū
98-82-8	Isopropylbenzene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	Ü
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	Ū
95-50-1	1,2-Dichlorobenzene	10	Ū
96-12-8	1,2-Dibromo-3-chloropropane	10	Ū
120-82-1	1,2,4-Trichlorobenzene	10	Ū

EPA SAMPLE NO.

E0056MSD Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-06MSD

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU268

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

i			
75-71-8	Dichlorodifluoromethane	. 10	U
74-87-3	Chloromethane	10	Ü
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	Ū
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	Ū
75-35-4	1,1-Dichloroethene	58	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	Ū
75-09-2	Methylene Chloride	10	Ū.
156-60-5	trans-1,2-Dichloroethene	10	Ū
1634-04-4	Methyl tert-Butyl Ether	. 10	U .
75-34-3	1,1-Dichloroethane	10	Ū
156-59-2	cis-1,2-Dichloroethene	10	Ū
78-93-3	2-Butanone	10	Ū
67-66-3	Chloroform	10	Ū
71-55-6	1,1,1-Trichloroethane	10	Ū
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	58	
107-06-2	1,2-Dichloroethane	10	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0056MSD

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-06MSD

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU268

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

			<b>.</b>
79-01-6	Trichloroethene	61	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	Ū
108-88-3	Toluene	62	
10061-02-6	trans-1,3-Dichloropropene .	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	 10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	59	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	Ū
75-25 <b>-</b> 2	Bromoform	10	Ŭ
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	Ū
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	Ü
120-82-1	1,2,4-Trichlorobenzene	10	Ū
1			

E0058

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-07

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU296

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	·10	Ū
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ū
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	Ū
75-09-2	Methylene Chloride	2	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	Ü
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

E0058

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-07

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU296

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	Ū
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	Ū
108-88-3	Toluene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	Ū
79-00-5	1,1,2-Trichloroethane	10	Ū
127-18-4	Tetrachloroethene	10	U .
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	Ū
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	Ū
1330-20-7	Xylene (Total)	10	U .
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	Ū
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	Ū
120-82-1	1,2,4-Trichlorobenzene	10	Ū

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0058.
--------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Level: (low/med) LOW

Lab Sample ID: 040368-07

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU296

Date Received: 05/04/04

% Moisture: not dec. _____

Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
======================================		1		<u>V</u>
1.				
2.	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			
3.		1		
4.				
5.				
6.				
7.				
8.				
9.				<del></del>
10.		1		
11.				
12.				
13.				
14.	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon			
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				<del></del>
25.				<u> </u>
26.				i
27.				
28.				
29.				
30.	- Andriada			

FORM I VOA-TIC

OLM04.3

EPA SAMPLE NO.

E0061
-------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Lab Sample ID: 040368-05

Sample wt/vol: 5.000 (g/mL) ML

Matrix: (soil/water) WATER

Lab File ID: LU273

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: not dec. _____

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	Ū
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	Ū
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	Ū
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	Ū
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	Ū
107-06-2	1,2-Dichloroethane	10	U

EPA SAMPLE NO.

E0061

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-05

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU273

Date Received: 05/04/04

% Moisture: not dec.

Level: (low/med) LOW

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

1-000		10 U
79-01-6	Trichloroethene	
108-87-2	Methylcyclohexane	10 U
78-87-5	1,2-Dichloropropane	10 U
75-27-4	Bromodichloromethane	10 U
10061-01-5	cis-1,3-Dichloropropene	10 U
108-10-1	4-Methyl-2-Pentanone	10 U
108-88-3	Toluene	10 U
10061-02-6	trans-1,3-Dichloropropene	10 U
79-00-5	1,1,2-Trichloroethane	10 U
127-18-4	Tetrachloroethene	10 U
591-78-6	2-Hexanone	10 U
124-48-1	Dibromochloromethane	10 U
106-93-4	1,2-Dibromoethane	10 U
108-90-7	Chlorobenzene	10 U
100-41-4	Ethylbenzene	10 U
1330-20-7	Xylene (Total)	10 U
100-42-5	Styrene	10 U
75-25-2	Bromoform	10 U
98-82-8	Isopropylbenzene	10 U
79-34-5	1,1,2,2-Tetrachloroethane	10 U
541-73-1	1,3-Dichlorobenzene	10 U
106-46-7	1,4-Dichlorobenzene	10 U
95-50-1	1,2-Dichlorobenzene	10 U
96-12-8	1,2-Dibromo-3-chloropropane	10 U
120-82-1	1,2,4-Trichlorobenzene	10 U

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0061	
-------	--

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-05

Lab File ID: LU273

Level: (low/med)

Lab Code: CEIMIC

Sample wt/vol: 5.000 (g/mL) ML

(mm)

Date Received: 05/04/04

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25

Number TICs found: 0

Dilution Factor: 1.0

Soil Extract Volume:____(uL)

LOW

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=======================================		l .	==========	
1				
2				
3.				<del></del>
4.				
5.				
6.				
7.				
8.			,	
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

OLM04.3

EPA SAMPLE NO.

E0077

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-08

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU297

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec.

Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	Ŭ
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10_	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1 2-Dichloroethane	10	U

EPA SAMPLE NO.

70077	
E0077	

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-08

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU297

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec.

Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg)  $\underline{UG/L}$  Q

	•		
79-01-6	Trichloroethene		10 U
108-87-2	Methylcyclohexane		10 U
78-87-5	1,2-Dichloropropane		10 U
75-27-4	Bromodichloromethane		10 U
10061-01-5	cis-1,3-Dichloropropene		10 U
	4-Methyl-2-Pentanone		10 U
108-10-1	Toluene		10 U
108-88-3	trans-1,3-Dichloropropene		10 U
10061-02-6	1,1,2-Trichloroethane		10 U
79-00-5			10 U
127-18-4	Tetrachloroethene		10 U
591-78-6	2-Hexanone		10 U
124-48-1	Dibromochloromethane		10 U
106-93-4	1,2-Dibromoethane		10 U
108-90-7	Chlorobenzene		10 0
100-41-4	Ethylbenzene		10 U
1330-20-7	Xylene (Total)	S.	10 U
100-42-5	Styrene	-	10 0
75-25-2	Bromoform	<u> </u>	
98-82-8	Isopropylbenzene		
79-34-5	1,1,2,2-Tetrachloroethane		10 U
541-73-1	1,3-Dichlorobenzene		10 U
106-46-7	1,4-Dichlorobenzene		10 U
95-50-1	1,2-Dichlorobenzene		10 U
96-12-8	1,2-Dibromo-3-chloropropane		10 U
120-82-1	1 2 4-Trichlorobenzene		10 U

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

۱ کلندن	COMECONDO	E0077	
cact:	68-W-03-018		

Lab Name: CEIMIC CORP

Contr

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-08

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU297

Level: (low/med)

LOW

Date Received: 05/06/04

% Moisture: not dec.

Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
		======	=======================================	=====
1. 2.	And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			
3.				
4.	-		. 1	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.			,	
14. 15.				
16.				
17.				
18.	A CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY O			
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.	<u> </u>			
28.	ANNINATION OF THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND THE PARTY AND TH			
29.	<u> </u>			
30.	· · · · · · · · · · · · · · · · · · ·	<u> </u>		

FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

T10070	
E0079	

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-09

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU298

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. _____

Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

75-71	-8 Dichlorodifluoromethane	10	U
74-87	-3 Chloromethane	. 10	Ū
75-01	-4 Vinyl Chloride	10	U
74-83	-9 Bromomethane	10	U
75-00		10	U
75-69		. 10	U
75-35		10	Ū
76-13	-1 1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64		10	U
75-15		10	Ū
79-20		10	U
75-09		10	Ū
156-60	-5 trans-1,2-Dichloroethene	10	Ū
1634-04		10	U
75-34		10	U
156-59		10	Ū
78-93		10	Ū
67-66		10	Ü
71-55		10	U
110-82		10	Ū
56-23	-5 Carbon Tetrachloride	10	U
71-43		10	Ū
107-06	-2 1 2-Dichloroethane	10	TT

EPA SAMPLE NO.

E0079	
-------	--

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-09

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU298

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. _____

Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

#### CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

79-01-6	Trichloroethene	10	Ŭ
108-87-2	Methylcyclohexane	10	Ū
78-87-5	1,2-Dichloropropane	10	Ū
75-27-4	Bromodichloromethane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U .
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	IJ

1 F

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

EPA SAMPLE NO.

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0079
-------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Concrace: 00-W-03-010

Matrix: (soil/water) WATER

Lab Sample ID: 040368-09

114611111 (5611) (141511)

Lab File ID: LU298

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID. LO296

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec.

Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm)

Number TICs found: 0

(mm) Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CÁS NUMBER	COMPOUND NAME	RT	EST. CONC.	, Q
1.				=====
2.				
3.				
4.				
5.				
6. 7.				
/.				
8. 9.				
10.				
11.				
12.				
13.				
14. 15.				
15.				
16.				
17. 18.				
19		· · · · · · · · · · · · · · · · · · ·		
19. 20. 21.				
21.				
22.				
23.				
24.				
25.				
26.				
27. 28.				
29.				
30.	1000			

FORM I VOA-TIC

OLM04.3

EPA SAMPLE NO.

E0080	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-10

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU299

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec.

Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	Ū
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	Ū
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10_	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

E0080

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-10

Sample wt/vol: 5.000 (q/mL) ML Lab File ID: LU299

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec.

Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

79-01-6 Trichloroethene 108-87-2 Methylcyclohexane 10 78-87-5 1,2-Dichloropropane 75-27-4 Bromodichloromethane 10061-01-5 | cis-1,3-Dichloropropene 108-10-1 4-Methyl-2-Pentanone 10 108-88-3 Toluene 10061-02-6 trans-1,3-Dichloropropene 79-00-5 1,1,2-Trichloroethane 10 10 Tetrachloroethene 127-18-4 Ū 10 591-78-6 2-Hexanone 10 124-48-1 Dibromochloromethane Ū 106-93-4 1,2-Dibromoethane 10 108-90-7 Chlorobenzene 10 IJ 100-41-4 Ethylbenzene 10 1330-20-7 Xylene (Total) Styrene 100-42-5 10 75-25-2 Bromoform 10 98-82-8 Isopropylbenzene 10 79-34-5 1,1,2,2-Tetrachloroethane 541-73-1 1,3-Dichlorobenzene 106-46-7 1,4-Dichlorobenzene 95-50-1 1,2-Dichlorobenzene 96-12-8 1,2-Dibromo-3-chloropropane 120-82-1 1,2,4-Trichlorobenzene

1 F

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE N
--------------

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-10

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU299

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. ____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
	14-44-4			
14.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.	MATERIAL CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CO			
30.				

FORM I VOA-TIC

OLM04.3

EPA SAMPLE NO.

		VBLKLQ
ontract:	68-W-03-018	

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: V120506-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU256

Level: (low/med) LOW

Date Received: ____

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	. 10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	Ū
75-35-4	1,1-Dichloroethene	10	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ū
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	Ū
79-20-9	Methyl Acetate	10	Ü .
75-09-2		10	Ū
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	Ū
78-93-3	2-Butanone	10	Ū
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	Ū
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene .	10	Ū
107-06-2	1 2-Dichloroethane	10	ŤΤ

VBLKLQ

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: V120506-B1

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU256

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

79-01-6	Trichloroethene	10	Ū
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10 ·	Ū
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	Ū
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	Ū
106-93-4	1,2-Dibromoethane	10	Ū
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	Ū
100-42-5	Styrene	10	Ū
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	Ū.
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	Ū
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	Ū
96-12-8	1,2-Dibromo-3-chloropropane	10	Ū
120-82-1	1,2,4-Trichlorobenzene	10	Ū

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	VBLKLQ	
l		
İ		

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

<b>VBTR</b>	ЩQ	

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: V120506-B1

Lab File ID: LU256

Sample wt/vol: 5.000 (g/mL) ML

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

Number TICs found: 0

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=======================================	1	==========	=====
1.				
2.			,	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.	William Con Heavy			
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Lab File ID: LU283

				VBLKLR
Lab Name:	CEIMIC CORP	Contract:	68-W-03-018	

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: V120507-B1

Level: (low/med) LOW Date Received:

Sample wt/vol: 5.000 (g/mL) ML

% Moisture: not dec. Date Analyzed: 05/07/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: ____(uL) Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	1	0	Ū-
74-87-3	Chloromethane	1.	0	Ū
75-01-4	Vinyl Chloride	1.	0	U
74-83-9	Bromomethane	1	0	U
75-00-3	Chloroethane	1	0	Ū
75-69-4	Trichlorofluoromethane	1	0	Ū
75-35-4	1,1-Dichloroethene		0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	U
67-64-1	Acetone	1.	0	U
75-15-0	Carbon Disulfide	1	0	U
79-20-9	Methyl Acetate	10	-	<u> </u>
75-09-2	Methylene Chloride	1(	_	<u> </u>
156-60-5	trans-1,2-Dichloroethene	1(	_	U
1634-04-4	Methyl tert-Butyl Ether	1(	0	U
75-34-3	1,1-Dichloroethane	10	0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0	U
78-93-3	2-Butanone	10	0	U
67-66-3	Chloroform	10	0	Ū
71-55-6	1,1,1-Trichloroethane	10	0	Ū
110-82-7	Cyclohexane	10	0	U
56-23-5	Carbon Tetrachloride	. 10	0	Ū
71-43-2	Benzene	10	0	U
107-06-2	1,2-Dichloroethane	10	0	Ū

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKLR

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: V120507-B1

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: LU283

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 05/07/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

79-01-6	Trichloroethene	10	Ū
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	Ū
108-88-3	Toluene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	Ū
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	Ū
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	Ū
108-90-7	Chlorobenzene	- 10	U
100-41-4	Ethylbenzene	10	IJ
1330-20-7	Xylene (Total)	10	Ū
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	Ū
98-82-8	Isopropylbenzene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	Ū
95-50-1	1,2-Dichlorobenzene	10	Ū
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

VBLKLR	VBLKLR	
--------	--------	--

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab	Code:	CEIMIC	Case No.:	32839	SAS No.:	SDG No.:	E0043

Matrix: (soil/water) WATER Lab Sample ID: V120507-B1

Sample  $\psi t/vol: 5.000 (g/mL) ML$  Lab File ID: LU283

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 05/07/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: ____(uL) Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		=======	=======================================	=====
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				/
10.				
11.				<u> </u>
12.				
13.				
14. 15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

		VHBLK01
ontract:	68-W-03-018	

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-21

Sample wt/vol: 5.000 (q/mL) ML Lab File ID: LU300

Level: (low/med) LOW

Date Received: ____

% Moisture: not dec. ____

Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

Soil Extract Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	Ū
74-87-3	Chloromethane	.10	U
75-01-4	Vinyl Çhloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	Ū
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	. 10	Ū
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	Ū
156-59-2	cis-1,2-Dichloroethene	10	Ū
78-93-3	2-Butanone	10	Ū
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	Ū
56-23-5	Carbon Tetrachloride	10	Ū
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

VHBLK01	
	i

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU300

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec.

Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10.	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	Ŭ
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	Ŭ
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	Ü
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

ENTATIVELY	IDENTIFIED	COMPOUNDS	·
			VHBLK01
	Contract	68-W-03-018	

Lab Name: CEIMIC CORP	
-----------------------	--

Number TICs found: 0

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Lab Sample ID: 040368-21 Matrix: (soil/water) WATER

Lab File ID: LU300 Sample wt/vol: 5.000 (g/mL) ML

Level: (low/med) LOW Date Received:

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL) Soil Extract Volume: ____(uL)

> CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER COMPOUND NAME RT EST. CONC. ______ 10. 11. 12. 13. 14. 16. 18. 19. 20. 21. 22. 23. 24. 26. 27. 28. 29. 30.

### WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839 SAS No.:

SDG No.: E0043

										<u></u>
	EPA	S1	S2	S3	S4	S5	S6	. S7	S8	TOT
	SAMPLE NO.	(NBZ)#	(FBP)#	(TPH)#	(PHL)#	(2FP)#	(TBP)#	(2CP)#	(DCB)#	OUT
		=====	=====	=====	=====	======	=====	=====	=====	===
01	SBLKKY	82	84	82	77	72	89	77	66	0
02	E0045	80	-82	58	81	76	88	83	74	0
03	E0051	70	76	60	69	67	84	71	66	0
04	E0053	78 .	82	72	79	73	92	79	66	0
05	E0056	74	78	44	71	69	83	73	70	0
06	E0056MS	. 76	80	62	73	71	91	75	70	0
07	E0056MSD	84	90	62	80	76	93	83	80	0
08	E0058	74	78	80	71	69	85.	73	64	0
09	E0043	66	70	30*	59	63	71	65	62	1
10	SBLKKO	86	86	88	84	76	107	84	72	0
11	E0080	74	80	50	65	67.	88	73	70	0
. 12	E0077	48	52	36	49	49	71	55	52	0
13										
14										
15										
16										
17										
18										
19					<u>.</u>					
20										
21						-				
22										
23										
24										
25										
26			•							
27						-				
28										<u> </u>
29										
30										

			• •	QC LIMITS	
S1	(NBZ)	=	Nitrobenzene-d5	(35-114)	1
S2	(FBP)	=	2-Fluorobiphenyl	(43-116)	
S3	(TPH)	=	Terphenyl-d14	(33-141)	
S4	(PHL)	=	Phenol-d5	(10-110)	
S5	(2FP)	=	2-Fluorophenol	(21-110)	
S6	(TBP)	=	2,4,6-Tribromophenol	(10-123)	
S7	(2CP)	=	2-Chlorophenol-d4	(33-110)	(advisory)
S8	(DCB)	=	1,2-Dichlorobenzene-d4	(16-110)	(advisory)

page 1 of 1

FORM II SV-1

OLM04.3

[#] Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

#### 3C WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix Spike - EPA Sample No.: E0056

	SPIKE ADDED	SAMPLE CONCENTRATION		MS %	QC. LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC #	REC.
Phenol	75	0.0	53	71	12-110
2-Chlorophenol	75	0.0	52	69	27-123
N-Nitroso-di-n-prop.(1)	50	0.0	38	76	41-116
4-Chloro-3-Methylphenol	75	0.0	64	85	23- 97
Acenaphthene	50	0.0	41	-82	46-118
4-Nitrophenol	75	0.0	66	88*	10- 80
2,4-Dinitrotoluene	50	0.0	43	86	24- 96
Pentachlorophenol	75	0.0	75	1.00	9-103
Pyrene	50	0.0	50	100	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LI RPD	EMITS REC.
	========	=======================================	======	=====		
Phenol	75	60	80	12	42	12-110
2-Chlorophenol	75	60	80	15	40	27-123
N-Nitroso-di-n-prop.(1)	50	44	88	15	38	41-116
4-Chloro-3-Methylphenol	. 75	68	91	. 7	42	23- 97
Acenaphthene	50	46	92	11	31	46-118
4-Nitrophenol	75	72	96*	9	50	10- 80
2,4-Dinitrotoluene	50	48	96	11	38	24- 96
Pentachlorophenol	75	81	108*	8	50	9-103
Pyrene	50	53	106	6	31	26-127

### (1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk * Values outside of QC limits

RPD:	0	out	of	9	out	sic	de 1	Limits	•
								outside	limits

COMMENTS:	

## SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE 'NO.

SBLKKY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839

SAS No.:

SDG No.: E0043

Lab File ID: K8247

Lab Sample ID: S0506-B1K

Instrument ID: MS11

Date Extracted: 05/06/04

Matrix: (soil/water) WATER

Date Analyzed: 05/07/04

Level: (low/med) LOW

Time Analyzed: 1306

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	=========	=========		
01	E0045	040368-02	K8259	05/07/04
02	E0051	040368-03	K8260	05/07/04
03	E0053	040368-04	K8261	05/07/04
04	E0056	040368-06	K8262	05/07/04
05	E0056MS	040368-06MS	K8263	05/07/04
06	E0056MSD	040368-06MSD	K8264	05/07/04
07	E0058	040368-07	K8265	05/07/04
08	E0043	040368-01	K8294	05/10/04
09				
10				
11				
12				
13				
14				
15				
16 17				
18 19				
20				-
21				
22				
23				
24				
25				
26				*
27				
28				
29				
30				
30		<u> </u>		

COMMENTS:	•

page 1 of 1

FORM IV SV

OLM04.3

### SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839

SAS No.:

SDG No.: E0043

Lab File ID: K8335

Lab Sample ID: S0507-BB1K

Instrument ID: MS11

Date Extracted: 05/07/04

Matrix: (soil/water) WATER

Date Analyzed: 05/12/04

Level: (low/med) LOW

Time Analyzed: 1317

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
				========
01	E0080	040368-10	K8340	05/12/04
02	E0077	040368-08	K8373	05/13/04
03				· · · · · · · · · · · · · · · · · · ·
04				
05				
06 07				
08				
09				
10				
11				
12				
13				
14				
15				
16 17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
26 27 28				
28				
29 30				
20				1

COMMENTS:	

page 1 of 1

FORM IV SV

OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: 68-W-03-018 Lab Name: CEIMIC CORP

E0043

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-01

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8294

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: Decanted: (Y/N)____

Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/10/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/L Q

		10	IJ
100-52-7	Benzaldehyde	10.	Ū
108-95-2	Phenol	10	Ū
111-44-4	bis(2-Chloroethyl)Ether	10	Ū
95-57-8	2-Chlorophenol		·U
95-48-7	2-Methylphenol	10	
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U.
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	Ū
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	Ü
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	. 25	U
131-11-3	Dimethylphthalate	. 10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0043 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-01

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8294

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: Decanted: (Y/N)___

Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/10/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) CONT

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	Ū
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	Ū
86-73-7	Fluorene	10	Ū
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	Ū
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	Ü
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	Ū
86-74-8	Carbazole	10	Ü
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	Ū
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	Ū
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	Ū
207-08-9	Benzo(k)fluoranthene	10	Ū
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo(a,h) anthracene	10	Ū
191-24-2	Benzo(g,h,i)perylene	10	Ū

(1) - Cannot be separated from Diphenylamine

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0043		
-------	--	--

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-01

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8294

Level: (low/med)

LOW

Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)____

Date Extracted:05/06/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/10/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST.	CONC.	· Q
CAS NOMBER	== ====================================	======	=====	======	=====
1.	UNKNOWN SILOXANE	4.47 5.36		400	J
2.	LINKNOWN SILOXANE	5.36		97	J
3. 540-97-6	CYCLOHEXASILOXANE, DODECAMET	6.26		26	NJ
4.					
5.					
6.					
7.			<del></del>		
8.					<del> </del>
9.			<del> </del>		
10.					<del> </del>
11.					
12.					<del> </del>
13.					<del> </del>
14.					<del> </del>
15.					
16.					<del> </del>
17.			<u> </u>		
18.					
19.					<del> </del>
20.					
21.					
22.				· · · · · · · · · · · · · · · · · · ·	T .
23.					<b>-</b>
24.					1
25.		···			
26.			<del> </del>		
27.					
28.			-		
29.					
30.			<u> </u>		

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0045

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Tab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8259

Level: (low/med) LOW

Date Received: 05/04/04

Concentrated Extract Volume: 1000(uL)

% Moisture: ____ Decanted: (Y/N) ___ Date Extracted: 05/06/04

Date Analyzed: 05/07/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q

CAS NO. COMPOUND

18		10	U
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	Ü
111-44-4	bis(2-Chloroethyl)Ether	10	- <del>U</del>
95-57-8	2-Chlorophenol	10	<del>- U</del> -
95-48-7	2-Methylphenol	10	<del>U</del>
108-60-1	2,2'-oxybis(1-Chloropropane)		U U
98-86-2	Acetophenone	10	U U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	. 10	U
105-67-9	2,4-Dimethylphenol	10	
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	
91-20-3	Naphthalene	10	Ü
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	Ū
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	Ü
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

E0045

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8259

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	Ū
121-14-2	. 2,4-Dinitrotoluene	10	Ū
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	Ü
7005-72-3	4-Chlorophenyl-phenylether	. 10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	· U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	Ū
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	. 10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	Ū
218-01-9	Chrysene	10	Ū
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	Ū
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	Ū
193-39-5	Indeno (1,2,3-cd) pyrene	10	Ū
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0045	

Lab Name: CEIMIC CORP

Number TICs found: 0

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8259

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: Decanted: (Y/N) Date Extracted:05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	. COMPOUND NAME	RT	EST. CONC.	Q
1			========	=====
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15. 16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.	,	,		
30.				

FORM I SV-TIC

E0051

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8260

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: Decanted: (Y/N) Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/07/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	Ū
111-44-4	bis(2-Chloroethyl)Ether	10	Ū.
95-57-8	2-Chlorophenol	10	Ū
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	Ū
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	Ū
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	Ü
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	Ū
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	Ū
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	Ū
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	Ŭ
88-06-2	2,4,6-Trichlorophenol	10	Ū
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	Ū
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

E0051 Lab Name: CEIMIC CORP Contract: 68-W-03-018 Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043 Matrix: (soil/water) WATER Lab Sample ID: 040368-03 Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8260 Level: (low/med) LOW Date Received: 05/04/04 % Moisture: Decanted: (Y/N) Date Extracted: 05/06/04 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/04 Injection Volume: 2.0(uL) Dilution Factor: 1.0

Direction volume: 2.0 (ub) Direction Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

,		0	
51-28-5	2,4-Dinitrophenol		U
100-02-7	4-Nitrophenol	25	
132-64-9	Dibenzofuran	1.0	
121-14-2	2,4-Dinitrotoluene	10	
84-66-2	Diethylphthalate	10	Ū
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	Ū
101-55-3	4-Bromophenyl-phenylether	10	Ū
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	Ū
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	Ū
206-44-0	Fluoranthene	10	Ū
129-00-0	Pyrene	10	Ū
85-68-7	Butylbenzylphthalate	10	Ū
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a) anthracene	10	U
218-01-9	Chrysene	10	Ū
117-81-7	bis(2-Ethylhexyl)phthalate	10	Ū
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	Ū
207-08-9	Benzo(k)fluoranthene	. 10	U
50-32 <b>-</b> 8	Benzo(a)pyrene	10	Ū
193-39-5	Indeno (1,2,3-cd) pyrene	10	Ū
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	Ū

(1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0051 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-03

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8260

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: Decanted: (Y/N)____

Date Extracted:05/06/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/07/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Extraction: (Type) CONT

CONCENTRATION UNITS: (uq/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
========    1.				
2.				
3.				
4.				
5.				
б.				
7.				
8.	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			
9.				<u> </u>
10.				
11.				
12.			•	
13.				
14. 15.				
16.	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon			<del></del>
17.				
18.				
19.				
20.				
21.	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.			10.110	

OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Sample wt/vol: 1000 (g/mL) ML

Lab Sample ID: 040368-04

Lab File ID: K8261

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: ____ Decanted: (Y/N)___

Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/07/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) <u>UG/L</u> Q

100-52-7	Benzaldehyde	10	Ū
108-95-2	Phenol	10	Ū
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	Ū
106-44-5	4-Methylphenol	10	· U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	. 10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U.
87-68-3	Hexachlorobutadiene	1.0	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	. 10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	Ū
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

	1
E0053	
_,,,,	

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Level: (low/med) LOW

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Lab File ID: K8261

Lab Sample ID: 040368-04 Matrix: (soil/water) WATER

Sample wt/vol: 1000 (g/mL) ML Date Received: 05/04/04

% Moisture: ____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

Extraction: (Type) CONT GPC Cleanup: (Y/N) N pH: ____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

51-28-5	2,4-Dinitrophenol	25	Ū
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	Ū
121-14-2	2,4-Dinitrotoluene	10	Ū
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	Ü
7005-72-3	4-Chlorophenyl-phenylether	10	U .
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	Ū
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	Ū
1912-24-9	Atrazine	10	Ü
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	Ū
86-74-8	Carbazole	10	Ŭ
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U .
117-84-0	Di-n-octylphthalate	10	U.
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k) fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	Ū
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0053
-------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-04

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8261

Level: (low/med)

LOW

Date Received: 05/04/04

% Moisture: Decanted: (Y/N)

Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/07/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		======		=====
2.				· · ·
3.				
4. 5.				
6.		w.,		
7.				
8.	-	-		
9.				
10.				
11.				
13.		V		1
14.				
15.				
16.				
17.				
18.				
19. 20. 21. 22.				
20.				
22.				
23.				
24.				
25.				
26.				
27.				
29.		-		
30.				

FORM I SV-TIC

OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0056

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-06

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8262

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)____

Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/07/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	Ü
98-95-3	Nitrobenzene	10	Ū
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	Ū
95-95-4	2,4,5-Trichlorophenol	. 25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate '	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	Ū
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8262

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: Decanted: (Y/N) Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO. COMPOUND CONCENTRATION UNITS:  $(ug/L \ or \ ug/Kg) \ \underline{UG/L} \ Q$ 

51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	Ū
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	Ū
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	Ū
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	Ū
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	Ū
87-86-5	Pentachlorophenol	25	Ŭ
85-01-8	Phenanthrene	10	Ū
120-12-7	Anthracene	10	Ŭ
86-74-8	Carbazole	.10	Ū
84-74-2	Di-n-butylphthalate	10	Ū
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	Ū
56-55-3	Benzo(a) anthracene	10	U
218-01-9	Chrysene	10	Ū
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	Ū
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	Ū
50-32-8	Benzo(a)pyrene	10	Ū
193-39-5	Indeno(1,2,3-cd)pyrene	10	Ū
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

TENTATIVELY IDENTIFIED COMPOUNDS E0056 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-06

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8262

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: ____ Decanted: (Y/N)___

Date Extracted:05/06/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/07/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1.				
2.				
3.				
4. 5.				
6.				
7.				
8.				
9.			,	
10.				
11.				
12.				
13.				
14.				
15.				
16.				]
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

E0056MS

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-06MS

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8263

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/L Q

100 50 7	Dongaldohudo	10	Ū
100-52-7	Benzaldehyde Phenol	53	
108-95-2	bis(2-Chloroethyl)Ether	10	U I
111-44-4	2-Chlorophenol	52	
95-57-8 95-48-7	2-Methylphenol	10	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	10	Ū
98-86-2	Acetophenone	10	Ū
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	38	
67-72-1	Hexachloroethane	10	Ū
98-95-3	Nitrobenzene	10	Ū
78-59-1	Isophorone	10	Ū
88-75-5	2-Nitrophenol	. 10	Ū
105-67-9	2,4-Dimethylphenol	10	Ū
111-91-1	bis (2-Chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	64	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	Ü
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	41	

10

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0056MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8263

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

51-28-5 2,4-Dinitrophenol 100-02-7 4-Nitrophenol 10 132-64-9 Dibenzofuran 43 121-14-2 2,4-Dinitrotoluene 10 | 84-66-2 Diethylphthalate 10 U 86-73-7 Fluorene 7005-72-3 4-Chlorophenyl-phenylether 10 100-01-6 25 4-Nitroaniline 4,6-Dinitro-2-methylphenol 534-52-1 10 N-nitrosodiphenylamine (1) 86-30-6 10 101-55-3 4-Bromophenyl-phenylether 118-74-1 Hexachlorobenzene 10 10 1912-24-9 | Atrazine 87-86-5 Pentachlorophenol U 85-01-8 Phenanthrene 120-12-7 Anthracene 86-74-8 Carbazole 84-74-2 Di-n-butylp 10 U 10 Di-n-butylphthalate 10 206-44-0 Fluoranthene 129-00-0 Pyrene 85-68-7 Butylbenzylphthalate IJ 10 91-94-1 3,3'-Dichlorobenzidine 10 U 56-55-3 Benzo(a)anthracene 10 218-01-9 | Chrysene Ū 10 Ū 117-81-7. bis(2-Ethylhexyl)phthalate 1.0 117-84-0 Di-n-octylphthalate 205-99-2 Benzo(b) fluoranthene 207-08-9 Benzo(k) fluoranthene 10 U 10 IJ 10 50-32-8 Benzo(a)pyrene 193-39-5 | Indeno(1,2,3-cd)pyrene 10 Ū 53-70-3 Dibenzo(a,h)anthracene 10 Ū 191-24-2 Benzo(q,h,i)perylene

(1) - Cannot be separated from Diphenylamine

CAS NO. COMPOUND

E0056MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

Matrix: (soil/water) WATER

Lab Sample ID: 040368-06MSD

SDG No.: E0043

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8264

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: Decanted: (Y/N)___

Date Extracted: 05/06/04

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/07/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	10	Ū
108-95-2	Phenol	60	
111-44-4		10	U
	bis(2-Chloroethyl)Ether		
95-57-8	2-Chlorophenol	60	T T
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	Ü
621-64-7	N-Nitroso-di-n-propylamine	44	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U .
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	Ū
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	Ū
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	68	
91-57-6	2-Methylnaphthalene	10	Ü
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	Ū
92-52-4	1,1'-Biphenyl	10	<del>-</del> Ū
91-58-7	2-Chloronaphthalene	. 10	Ū
88-74-4	2-Nitroaniline	25	Ū
131-11-3	Dimethylphthalate	10	<del>-</del> U
606-20-2	2,6-Dinitrotoluene	10	<del>- []</del>
208-96-8	Acenaphthylene	10	TJ I
99-09-2	3-Nitroaniline	25	-U
83-32-9	Acenaphthene	46	
03-32-3	Acettaprictierie	40	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0056MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8264

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: Decanted: (Y/N) Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO. COMPOUND CONCENTRATION UNITS:  $(ug/L \ or \ ug/Kg) \ \underline{UG/L} \ Q$ 

	•		
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	72	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	48	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	. 81	E
85-01-8	Phenanthrene	. 10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	. 10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	53	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a) anthracene	10	Ŭ
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	Ü
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	Ü
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(q,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8265

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	Ū
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	.10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	Ū
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	Ū
91-57-6	2-Methylnaphthalene	10	Ū
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	Ū
91-58-7	2-Chloronaphthalene	10	Ū
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	Ū.
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

E0058 Contract: 68-W-03-018

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8265

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: ____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

51-28-5 2,4-Dinitrophenol 100-02-7 4-Nitrophenol 10 Ū 132-64-9 Dibenzofuran 121-14-2 2,4-Dinitrotoluene 10 Diethylphthalate 84-66-2 10 86-73-7 Fluorene 7005-72-3 4-Chlorophenyl-phenylether 10 100-01-6 4-Nitroaniline 534-52-1 4,6-Dinitro-2-methylphenol 10 Ū 86-30-6 N-nitrosodiphenylamine (1) 10 U 101-55-3 4-Bromophenyl-phenylether 118-74-1 Hexachlorobenzene 10 1912-24-9 Atrazine U Pentachlorophenol 87-86-5 10 Ū 85-01-8 Phenanthrene 10 120-12-7 Anthracene 86-74-8 Carbazole 84-74-2 Di-n-butylphthalate IJ 10 10 Ū 206-44-0 Fluoranthene 129-00-0 Pyrene 10 85-68-7 Butylbenzylphthalate 1.0 U 3,3'-Dichlorobenzidine 91-94-1 1.0 10 Ū 56-55-3 Benzo (a) anthracene U 218-01-9 10 Chrysene 117-81-7 bis(2-Ethylhexyl)phthalate 10 U 117-84-0 Di-n-octylphthalate Ū 10 205-99-2 Benzo (b) fluoranthene U 10 U 207-08-9 Benzo(k)fluoranthene 50-32-8 Benzo(a)pyrene 10 Ū 193-39-5 Indeno(1,2,3-cd)pyrene 53-70-3 Dibenzo(a,h)anthracene 10 U 191-24-2 Benzo(g,h,i)perylene

(1) - Cannot be separated from Diphenylamine

CAS NO. COMPOUND

	TENTATIVELY	IDENTIFIED	COMPOUNDS	
			•	E0058
T G G O		Contract	68-W-03-018	

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-07

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8265

Level: (low/med) LOW

Date Received: 05/04/04

% Moisture: ____ Decanted: (Y/N)___

Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/07/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		=======	=========	=====
2.	1.00	·		
3.				
4.				
5.	*			
6.				
7.				
8. 9.				
10.				
11.	Andrew to the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the stat			
12.		*.		
13.				
14.				
15.			**************************************	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23. 24.			N	
25.				
26.				<u> </u>
27.				<u> </u>
28.				·
29.				<del></del>
30.			. ,,,,	<del></del>

FORM I SV-TIC

OLM04.3

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8373

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: ____ Decanted: (Y/N) ___ Date Extracted: 05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

100-52-7 Benzaldehyde 10 108-95-2 Phenol 111-44-4 bis(2-Chloroethyl)Ether 10 Ū 95-57-8 2-Chlorophenol 10 95-48-7 2-Methylphenol 10 108-60-1 2,2'-oxybis(1-Chloropropane) 10 10 98-86-2 Acetophenone 10 106-44-5 4-Methylphenol 10 621-64-7 N-Nitroso-di-n-propylamine 10 67-72-1 Hexachloroethane 10 98-95-3 Nitrobenzene 78-59-1 Isophorone 10 88-75-5 2-Nitrophenol 105-67-9 2,4-Dimethylphenol 111-91-1 bis(2-Chloroethoxy)methane 2,4-Dichlorophenol 120-83-2 10 Naphthalene 91-20-3 106-47-8 4-Chloroaniline 10 Hexachlorobutadiene 87-68-3 10 105-60-2 Caprolactam 59-50-7 4-Chloro-3-Methylphenol 10 U 91-57-6 2-Methylnaphthalene 10 77-47-4 Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 88-06-2 10 95-95-4 2,4,5-Trichlorophenol 1,1'-Biphenyl 92-52-4 2-Chloronaphthalene 10 91-58-7 2-Nitroaniline 25 88-74-4 Dimethylphthalate Ū 10 131-11-3 606-20-2 2,6-Dinitrotoluene 10 208-96-8 Acenaphthylene 99-09-2 3-Nitroaniline IJ IJ 83-32-9 Acenaphthene

E0077 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-08

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8373

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: _____ Decanted: (Y/N)____ Date Extracted: 05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/13/04

Injection Volume: 2.0(uL)

GPC Cleanup: (Y/N) N pH: ____

Dilution Factor: 1.0

Extraction: (Type) CONT

CONCENTRATION UNITS: CAS NO. COMPOUND

(ug/L or ug/Kg) UG/L Q

S1-28-5				1
133-64-9   Dibenzofuran   10   U   121-14-2   2,4-Dinitrotoluene   10   U   84-66-2   Diethylphthalate   10   U   86-67-3-7   Fluorene   10   U   100-01-6   4-Nitroaniline   25   U   100-01-6   4-Nitroaniline   25   U   101-55-3   4-Bromophenyl-phenylether   10   U   101-55-3   4-Bromophenyl-phenylether   10   U   118-74-1   Hexachlorobenzene   10   U   1912-24-9   Atrazine   10   U   87-86-5   Pentachlorophenol   25   U   85-01-8   Phenanthrene   10   U   120-12-7   Anthracene   10   U   84-74-2   Di-n-butylphthalate   10   U   206-44-0   Fluoranthene   10   U   129-00-0   Pyrene   10   U   129-00-0   Pyrene   10   U   129-01-0   Pyrene   10   U   129-01-0   Chrysene   10   U   121-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   10   U   127-84-0   Chrysene   1	51-28-5	2,4-Dinitrophenol		U
121-14-2	100-02-7	4-Nitrophenol		
84-66-2       Diethylphthalate       10       U         86-73-7       Fluorene       10       U         7005-72-3       4-Chlorophenyl-phenylether       10       U         100-01-6       4-Nitroaniline       25       U         534-52-1       4,6-Dinitro-2-methylphenol       25       U         86-30-6       N-nitrosodiphenylamine (1)       10       U         101-55-3       4-Bromophenyl-phenylether       10       U         118-74-1       Hexachlorobenzene       10       U         1912-24-9       Atrazine       10       U         87-86-5       Pentachlorophenol       25       U         85-01-8       Phenanthrene       10       U         120-12-7       Anthracene       10       U         86-74-8       Carbazole       10       U         84-74-2       Di-n-butylphthalate       10       U         129-00-0       Pyrene       10       U         85-68-7       Butylbenzylphthalate       10       U         91-94-1       3,3'-Dichlorobenzidine       10       U         218-01-9       Chrysene       10       U         117-81-7       bis (2-Ethylhexyl	132-64-9	Dibenzofuran	10	_
86-73-7   Fluorene   10   U				
Tools	84-66-2	Diethylphthalate		_
100-01-6	86-73-7	Fluorene	10	
100   1	7005-72-3	4-Chlorophenyl-phenylether		=
86-30-6   N-nitrosodiphenylamine (1)   10   U   101-55-3   4-Bromophenyl-phenylether   10   U   118-74-1   Hexachlorobenzene   10   U   1912-24-9   Atrazine   10   U   25   U   87-86-5   Pentachlorophenol   25   U   85-01-8   Phenanthrene   10   U   120-12-7   Anthracene   10   U   86-74-8   Carbazole   10   U   86-74-2   Di-n-butylphthalate   10   U   129-00-0   Pyrene   10   U   129-00-0   Pyrene   10   U   129-00-0   Pyrene   10   U   129-00-0   Pyrene   10   U   129-00-0   Pyrene   10   U   128-01-9   Chrysene   10   U   117-81-7   bis (2-Ethylhexyl)phthalate   10   U   117-84-0   Di-n-octylphthalate   10   U   117-84-0   Di-n-octylphthalate   10   U   117-84-0   Benzo (k) fluoranthene   10   U   207-08-9   Benzo (k) fluoranthene   10   U   193-39-5   Indeno (1, 2, 3-cd) pyrene   10   U   53-70-3   Dibenzo (a, h) anthracene   10   U   U   10   10   U   10   10	100-01-6	4-Nitroaniline		•
101-55-3       4-Bromophenyl-phenylether       10       U         118-74-1       Hexachlorobenzene       10       U         1912-24-9       Atrazine       10       U         87-86-5       Pentachlorophenol       25       U         85-01-8       Phenanthrene       10       U         120-12-7       Anthracene       10       U         86-74-8       Carbazole       10       U         84-74-2       Di-n-butylphthalate       10       U         206-44-0       Fluoranthene       10       U         129-00-0       Pyrene       10       U         85-68-7       Butylbenzylphthalate       10       U         91-94-1       3,3'-Dichlorobenzidine       10       U         56-55-3       Benzo(a) anthracene       10       U         218-01-9       Chrysene       10       U         117-81-7       bis(2-Ethylhexyl)phthalate       10       U         117-84-0       Di-n-octylphthalate       10       U         207-08-9       Benzo(k)fluoranthene       10       U         207-08-9       Benzo(k)fluoranthene       10       U         50-32-8       Benzo(a)pyrene <td>534-52-1</td> <td></td> <td>25</td> <td></td>	534-52-1		25	
118-74-1       Hexachlorobenzene       10       U         1912-24-9       Atrazine       10       U         87-86-5       Pentachlorophenol       25       U         85-01-8       Phenanthrene       10       U         120-12-7       Anthracene       10       U         86-74-8       Carbazole       10       U         84-74-2       Di-n-butylphthalate       10       U         206-44-0       Fluoranthene       10       U         129-00-0       Pyrene       10       U         85-68-7       Butylbenzylphthalate       10       U         91-94-1       3,3'-Dichlorobenzidine       10       U         56-55-3       Benzo(a) anthracene       10       U         218-01-9       Chrysene       10       U         117-81-7       bis(2-Ethylhexyl) phthalate       10       U         117-84-0       Di-n-octylphthalate       10       U         205-99-2       Benzo(b) fluoranthene       10       U         207-08-9       Benzo (k) fluoranthene       10       U         50-32-8       Benzo (a) pyrene       10       U         53-70-3       Dibenzo (a, h) anthrace	86-30-6	N-nitrosodiphenylamine (1)	10	
1912-24-9   Atrazine	101-55-3	4-Bromophenyl-phenylether	10	_
87-86-5       Pentachlorophenol       25       U         85-01-8       Phenanthrene       10       U         120-12-7       Anthracene       10       U         86-74-8       Carbazole       10       U         84-74-2       Di-n-butylphthalate       10       U         206-44-0       Fluoranthene       10       U         129-00-0       Pyrene       10       U         85-68-7       Butylbenzylphthalate       10       U         91-94-1       3,3'-Dichlorobenzidine       10       U         56-55-3       Benzo (a) anthracene       10       U         218-01-9       Chrysene       10       U         117-81-7       bis (2-Ethylhexyl) phthalate       10       U         117-84-0       Di-n-octylphthalate       10       U         207-08-9       Benzo (b) fluoranthene       10       U         207-08-9       Benzo (k) fluoranthene       10       U         50-32-8       Benzo (a) pyrene       10       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       10       U         53-70-3       Dibenzo (a, h) anthracene       10       U	118-74-1	Hexachlorobenzene	10	_
85-01-8       Phenanthrene       10       U         120-12-7       Anthracene       10       U         86-74-8       Carbazole       10       U         84-74-2       Di-n-butylphthalate       10       U         206-44-0       Fluoranthene       10       U         129-00-0       Pyrene       10       U         85-68-7       Butylbenzylphthalate       10       U         91-94-1       3,3'-Dichlorobenzidine       10       U         56-55-3       Benzo(a) anthracene       10       U         218-01-9       Chrysene       10       U         117-81-7       bis(2-Ethylhexyl) phthalate       10       U         117-84-0       Di-n-octylphthalate       10       U         205-99-2       Benzo(b) fluoranthene       10       U         207-08-9       Benzo(k) fluoranthene       10       U         50-32-8       Benzo(a) pyrene       10       U         193-39-5       Indeno(1,2,3-cd) pyrene       10       U         53-70-3       Dibenzo(a,h) anthracene       10       U	1912-24-9	Atrazine	1	1
120-12-7       Anthracene       10       U         86-74-8       Carbazole       10       U         84-74-2       Di-n-butylphthalate       10       U         206-44-0       Fluoranthene       10       U         129-00-0       Pyrene       10       U         85-68-7       Butylbenzylphthalate       10       U         91-94-1       3,3'-Dichlorobenzidine       10       U         56-55-3       Benzo(a) anthracene       10       U         218-01-9       Chrysene       10       U         117-81-7       bis (2-Ethylhexyl) phthalate       10       U         117-84-0       Di-n-octylphthalate       10       U         205-99-2       Benzo (b) fluoranthene       10       U         207-08-9       Benzo (k) fluoranthene       10       U         50-32-8       Benzo (a) pyrene       10       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       10       U         53-70-3       Dibenzo (a, h) anthracene       10       U	87-86-5	Pentachlorophenol	25	
86-74-8       Carbazole       10       U         84-74-2       Di-n-butylphthalate       10       U         206-44-0       Fluoranthene       10       U         129-00-0       Pyrene       10       U         85-68-7       Butylbenzylphthalate       10       U         91-94-1       3,3'-Dichlorobenzidine       10       U         56-55-3       Benzo(a) anthracene       10       U         218-01-9       Chrysene       10       U         117-81-7       bis (2-Ethylhexyl) phthalate       10       U         117-84-0       Di-n-octylphthalate       10       U         205-99-2       Benzo (b) fluoranthene       10       U         207-08-9       Benzo (k) fluoranthene       10       U         50-32-8       Benzo (a) pyrene       10       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       10       U         53-70-3       Dibenzo (a, h) anthracene       10       U	85-01-8	Phenanthrene	10	, -
84-74-2       Di-n-butylphthalate       10       U         206-44-0       Fluoranthene       10       U         129-00-0       Pyrene       10       U         85-68-7       Butylbenzylphthalate       10       U         91-94-1       3,3'-Dichlorobenzidine       10       U         56-55-3       Benzo(a) anthracene       10       U         218-01-9       Chrysene       10       U         117-81-7       bis(2-Ethylhexyl)phthalate       10       U         117-84-0       Di-n-octylphthalate       10       U         205-99-2       Benzo(b) fluoranthene       10       U         207-08-9       Benzo(k) fluoranthene       10       U         50-32-8       Benzo(a) pyrene       10       U         193-39-5       Indeno(1,2,3-cd) pyrene       10       U         53-70-3       Dibenzo(a, h) anthracene       10       U	120-12-7	Anthracene		I
206-44-0       Fluoranthene       10       U         129-00-0       Pyrene       10       U         85-68-7       Butylbenzylphthalate       10       U         91-94-1       3,3'-Dichlorobenzidine       10       U         56-55-3       Benzo(a) anthracene       10       U         218-01-9       Chrysene       10       U         117-81-7       bis(2-Ethylhexyl)phthalate       10       U         117-84-0       Di-n-octylphthalate       10       U         205-99-2       Benzo(b) fluoranthene       10       U         207-08-9       Benzo(k) fluoranthene       10       U         50-32-8       Benzo(a) pyrene       10       U         193-39-5       Indeno(1,2,3-cd) pyrene       10       U         53-70-3       Dibenzo(a,h) anthracene       10       U	86-74-8	Carbazole	10	
129-00-0       Pyrene       10       U         85-68-7       Butylbenzylphthalate       10       U         91-94-1       3,3'-Dichlorobenzidine       10       U         56-55-3       Benzo (a) anthracene       10       U         218-01-9       Chrysene       10       U         117-81-7       bis (2-Ethylhexyl) phthalate       10       U         117-84-0       Di-n-octylphthalate       10       U         205-99-2       Benzo (b) fluoranthene       10       U         207-08-9       Benzo (k) fluoranthene       10       U         50-32-8       Benzo (a) pyrene       10       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       10       U         53-70-3       Dibenzo (a, h) anthracene       10       U	84-74-2	Di-n-butylphthalate	10	l
85-68-7       Butylbenzylphthalate       10       U         91-94-1       3,3'-Dichlorobenzidine       10       U         56-55-3       Benzo (a) anthracene       10       U         218-01-9       Chrysene       10       U         117-81-7       bis (2-Ethylhexyl) phthalate       10       U         117-84-0       Di-n-octylphthalate       10       U         205-99-2       Benzo (b) fluoranthene       10       U         207-08-9       Benzo (k) fluoranthene       10       U         50-32-8       Benzo (a) pyrene       10       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       10       U         53-70-3       Dibenzo (a, h) anthracene       10       U	206-44-0	Fluoranthene	10	U
91-94-1       3,3'-Dichlorobenzidine       10       U         56-55-3       Benzo(a) anthracene       10       U         218-01-9       Chrysene       10       U         117-81-7       bis(2-Ethylhexyl)phthalate       10       U         117-84-0       Di-n-octylphthalate       10       U         205-99-2       Benzo(b) fluoranthene       10       U         207-08-9       Benzo(k) fluoranthene       10       U         50-32-8       Benzo(a) pyrene       10       U         193-39-5       Indeno(1,2,3-cd) pyrene       10       U         53-70-3       Dibenzo(a,h) anthracene       10       U	129-00-0	Pyrene	10	U
56-55-3       Benzo (a) anthracene       10       U         218-01-9       Chrysene       10       U         117-81-7       bis (2-Ethylhexyl) phthalate       10       U         117-84-0       Di-n-octylphthalate       10       U         205-99-2       Benzo (b) fluoranthene       10       U         207-08-9       Benzo (k) fluoranthene       10       U         50-32-8       Benzo (a) pyrene       10       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       10       U         53-70-3       Dibenzo (a, h) anthracene       10       U	85-68-7	Butylbenzylphthalate	10	
218-01-9       Chrysene       10       U         117-81-7       bis(2-Ethylhexyl)phthalate       10       U         117-84-0       Di-n-octylphthalate       10       U         205-99-2       Benzo(b) fluoranthene       10       U         207-08-9       Benzo(k) fluoranthene       10       U         50-32-8       Benzo(a) pyrene       10       U         193-39-5       Indeno(1,2,3-cd) pyrene       10       U         53-70-3       Dibenzo(a,h) anthracene       10       U	91-94-1	3,3'-Dichlorobenzidine	10	U
117-81-7     bis(2-Ethylhexyl)phthalate     10     U       117-84-0     Di-n-octylphthalate     10     U       205-99-2     Benzo(b) fluoranthene     10     U       207-08-9     Benzo(k) fluoranthene     10     U       50-32-8     Benzo(a) pyrene     10     U       193-39-5     Indeno(1,2,3-cd) pyrene     10     U       53-70-3     Dibenzo(a,h) anthracene     10     U	56-55-3	Benzo(a) anthracene	10	U
117-84-0       Di-n-octylphthalate       10       U         205-99-2       Benzo (b) fluoranthene       10       U         207-08-9       Benzo (k) fluoranthene       10       U         50-32-8       Benzo (a) pyrene       10       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       10       U         53-70-3       Dibenzo (a, h) anthracene       10       U	218-01-9	Chrysene	10	•
205-99-2       Benzo (b) fluoranthene       10       U         207-08-9       Benzo (k) fluoranthene       10       U         50-32-8       Benzo (a) pyrene       10       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       10       U         53-70-3       Dibenzo (a, h) anthracene       10       U	117-81-7.	bis(2-Ethylhexyl)phthalate	10	U
207-08-9   Benzo (k) fluoranthene   10   U	117-84-0		10	U
50-32-8         Benzo(a) pyrene         10         U           193-39-5         Indeno(1,2,3-cd) pyrene         10         U           53-70-3         Dibenzo(a,h) anthracene         10         U	205-99-2	Benzo(b) fluoranthene	10	
193-39-5       Indeno(1,2,3-cd) pyrene       10       U         53-70-3       Dibenzo(a,h) anthracene       10       U		Benzo(k)fluoranthene	10	, –
53-70-3 Dibenzo(a,h)anthracene 10 U	50-32-8	Benzo(a)pyrene	10	_
	193-39-5	Indeno(1,2,3-cd)pyrene	10	U
191-24-2 Benzo(g,h,i)perylene 10 U	53-70-3	Dibenzo(a,h)anthracene	10	Ū
	191-24-2	Benzo(g,h,i)perylene	10	U

^{(1) -} Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0077

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Lab Sample ID: 040368-08

Matrix: (soil/water) WATER

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8373

Date Received: 05/06/04 Level: (low/med) LOW

Date Extracted:05/07/04 % Moisture: ____ Decanted: (Y/N)___

Date Analyzed: 05/13/04 Concentrated Extract Volume: 1000(uL)

Dilution Factor: 1.0 Injection Volume: 2.0(uL)

Extraction: (Type) CONT GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/L Number TICs found: 0

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29.	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
2.         3.         4.         5.         6.         7.         8.         9.         10.         11.         12.         13.         14.         15.         16.         17.         18.         19.         20.         21.         22.         23.         24.         25.         26.         27.         28.         29.			=======	=======================================	
3. 4					
4.       5.         6.       .         7.       .         8.       .         9.       .         10.       .         11.       .         12.       .         13.       .         14.       .         15.       .         16.       .         17.       .         18.       .         19.       .         20.       .         21.       .         22.       .         23.       .         24.       .         25.       .         26.       .         27.       .         28.       .         29.					<u>·</u>
5.       6.         7.       8.         9.       10.         11.       12.         13.       14.         15.       16.         17.       18.         19.       20.         21.       22.         23.       24.         25.       26.         27.       28.         29.       1.		- The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the			
6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29.	5.				<del></del> .
7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28.	6.				
8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28.					· .
10.         11.         12.         13.         14.         15.         16.         17.         18.         19.         20.         21.         22.         23.         24.         25.         26.         27.         28.         29.	8.				
11.         12.         13.         14.         15.         16.         17.         18.         19.         20.         21.         22.         23.         24.         25.         26.         27.         28.         29.					
12.         13.         14.         15.         16.         17.         18.         19.         20.         21.         22.         23.         24.         25.         26.         27.         28.         29.					
13.         14.         15.         16.         17.         18.         19.         20.         21.         22.         23.         24.         25.         26.         27.         28.         29.	.11.				
14.         15.         16.         17.         18.         19.         20.         21.         22.         23.         24.         25.         26.         27.         28.         29.	12.				
15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28.		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			
16.         17.         18.         19.         20.         21.         22.         23.         24.         25.         26.         27.         28.         29.		· · · · · · · · · · · · · · · · · · ·			
17.         18.         19.         20.         21.         22.         23.         24.         25.         26.         27.         28.         29.		and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t			
18.         19.         20.         21.         22.         23.         24.         25.         26.         27.         28.         29.					
19.         20.         21.         22.         23.         24.         25.         26.         27.         28.         29.					
20.         21.         22.         23.         24.         25.         26.         27.         28.         29.		·	<del> </del>		
21.         22.         23.         24.         25.         26.         27.         28.         29.	19.	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			
22.         23.         24.         25.         26.         27.         28.         29.	20.		-		
23.         24.         25.         26.         27.         28.         29.	-21.				
24.         25.         26.         27.         28.         29.		100.00			
25. 26. 27. 28. 29.					
26.       27.       28.       29.	25	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	-		
27.         28.         29.	26	A CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR			
28. 29.					
29.					
	30.				

FORM I SV-TIC

OLM04.3

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0080

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8340

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: ____ Decanted: (Y/N) ___ Date Extracted: 05/07/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/12/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Extraction: (Type) CONT

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	10	Ū
108-95-2	Phenol	10.	Ū
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	Ū
95-48-7	2-Methylphenol	10	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	10	Ū
98-86-2	Acetophenone	10	Ū
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	Ū
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U .
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	Ū
87-68-3	Hexachlorobutadiene	. 10	U
105-60-2	Caprolactam	10	Ū
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	·U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	Ū
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
. 208-96-8	Acenaphthylene	10	Ū
99-09-2	3-Nitroaniline	25	Ū
83-32-9	Acenaphthene	10	U

1D EPA SAMPLE NO. SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0080 Contract: 68-W-03-018

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8340

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: Decanted: (Y/N) Date Extracted: 05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

	,		<del></del>
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	. 25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	. 10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U ·
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U.
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	. 10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	Ū
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	Ū
84-74-2	Di-n-butylphthalate	7	J
206-44-0	Fluoranthene	. 10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	6	J
91-94-1	3,3'-Dichlorobenzidine	. 10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	Ū
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b) fluoranthene	10	U
207-08-9	Benzo(k) fluoranthene	10	Ü
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
5.3-70-3	Dibenzo (a, h) anthracene	10	U
191-24-2	Benzo(q,h,i)perylene	10	TI

(1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0080

Lab Name: CEIMIC CORP Contract: 68-W-03-018 Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-10

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8340

Date Received: 05/06/04

% Moisture: _____ Decanted: (Y/N)___

Level: (low/med) LOW

Date Extracted:05/07/04

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/12/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Extraction: (Type) CONT

(ug/L or ug/Kg) ug/L

CONCENTRATION UNITS:

Number TICs found: 11

			·	
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	4.47	530	J
2. 541-02-6	CYCLOPENTASILOXANE, DECAMETH	5.35	140	NJ
3. 540-97-6	CYCLOHEXASILOXANE, DODECAMET	6.25		NJ
4.	UNKNOWN SILOXANE	7.34	26	
5.	UNKNOWN SILOXANE	8.21	16	J
6.	UNKNOWN SILOXANE	8.85	16	J
7.	UNKNOWN SILOXANE	9.83	15	J
8.	UNKNOWN SILOXANE	10.96	11	J
9.	UNKNOWN SILOXANE	11.33	11	J
10.	UNKNOWN SILOXANE	11.75	13	J
11.	UNKNOWN SILOXANE	12.22	9	J
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.			<del></del>	
29.				
30.				

FORM I SV-TIC

OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKKY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: S0506-B1K

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8247

Level: (low/med) LOW

Date Received: ____

% Moisture: _____ Decanted: (Y/N)____

Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/07/04 ·

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

,		10	U
100-52-7	Benzaldehyde		L
108-95-2	Phenol .	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	Ū
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U.
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	Ū
88-75-5	2-Nitrophenol	10	Ū
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene		U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	Ū
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	. 10	Ū
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	Ū
91-58-7	2-Chloronaphthalene	10	Ü
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	Ū
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKKY

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.:

Contract: 68-W-03-018

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: S0506-B1K

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8247

Level: (low/med) LOW

Date Received:

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL)

Injection Volume: 2.0(uL)

Date Analyzed: 05/07/04

GPC Cleanup: (Y/N) N pH: ____

Dilution Factor: 1.0

Extraction: (Type) CONT

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

51-28-5       2,4-Dinitrophenol       25       U         100-02-7       4-Nitrophenol       25       U         132-64-9       Dibenzofuran       10       U         121-14-2       2,4-Dinitrotoluene       10       U         84-66-2       Diethylphthalate       10       U         86-73-7       Fluorene       10       U	-
132-64-9       Dibenzofuran       10       U         121-14-2       2,4-Dinitrotoluene       10       U         84-66-2       Diethylphthalate       10       U	
121-14-2   2,4-Dinitrotoluene   10   U   84-66-2   Diethylphthalate   10   U	-
84-66-2 Diethylphthalate 10 U	
Of GO Z Bicenyi phenarace	
7005-72-3 4-Chlorophenyl-phenylether 10 U	
100-01-6 4-Nitroaniline 25 U	
534-52-1 4,6-Dinitro-2-methylphenol 25 U	
86-30-6 N-nitrosodiphenylamine (1)	
101-55-3 4-Bromophenyl-phenylether 10 U	
118-74-1 Hexachlorobenzene 10 U	
1912-24-9 Atrazine 10 U	
87-86-5 Pentachlorophenol 25 U	
85-01-8 Phenanthrene 10 U	
120-12-7   Anthracene 10   U	
86-74-8 Carbazole 10 U	
84-74-2 Di-n-butylphthalate 10 U	
206-44-0 Fluoranthene 10 U	-
129-00-0 Pyrene 10 U	
85-68-7 Butylbenzylphthalate 10 U	
91-94-1 3,3'-Dichlorobenzidine 10 U	
56-55-3 Benzo (a) anthracene 10 U	
218-01-9 Chrysene 10 U	
117-81-7 bis(2-Ethylhexyl)phthalate 10 U	-
117-84-0 Di-n-octylphthalate 10 U	-
205-99-2 Benzo (b) fluoranthene 10 U	-
207-08-9 Benzo(k) fluoranthene 10 U	
50-32-8 Benzo(a) pyrene 10 U	<del> </del>
193-39-5 Indeno(1,2,3-cd)pyrene 10 U	
53-70-3 Dibenzo (a, h) anthracene 10 U	
191-24-2 Benzo(g,h,i)perylene 10 U	

^{(1) -} Cannot be separated from Diphenylamine

# lG SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SBLKKY Contract: 68-W-03-018 Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Lab Sample ID: S0506-B1K Matrix: (soil/water) WATER

Lab File ID: K8247 Sample wt/vol: 1000 (g/mL) ML Date Received:

Level: (low/med) LOW

Date Extracted:05/06/04 % Moisture: ____ Decanted: (Y/N)___

Date Analyzed: 05/07/04 Concentrated Extract Volume: 1000(uL)

Dilution Factor: 1.0 Injection Volume: 2.0(uL)

Extraction: (Type) CONT GPC Cleanup: (Y/N) N pH: ___

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L · Number TICs found: 0

	COMPOUND NAME	RT	EST. CONC.	Q
CAS NUMBER		========	=======================================	=====
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.	• .			
13.		•		
14. 15. 16.				
15.				
16.				
17.				
18.				
19. 20.				
20.				
21. 22.				
23.				
24.				
25.				
26.				
27				
27. 28.				
29.				
30.	b			

EPA SAMELE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: S0507-BB1K

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: K8335

Level: (low/med) LOW

Date Received:

% Moisture: _____ Decanted: (Y/N)____

Date Extracted: 05/07/04

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/12/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	Ū
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	Ŭ
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	Ū
87-68-3	Hexachlorobutadiene	10	Ū
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	Ū
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	Ū
88-06-2	2,4,6-Trichlorophenol	10	Ū
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	Ū
91-58-7	2-Chloronaphthalene	10	Ū
88-74-4	2-Nitroaniline	25	Ū
131-11-3	Dimethylphthalate	10	Ū
606-20-2	2,6-Dinitrotoluene	10	Ū
208-96-8	Acenaphthylene	10	Ū
99-09-2	3-Nitroaniline	25	Ū
83-32-9	Acenaphthene	10	U

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKKO

Lab Name: CEIMIC CORP Contract: 68-W-03-018

1

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: S0507-BB1K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8335

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg)  $\underline{\text{UG/L}}$  Q

51-28-5	2,4-Dinitrophenol	25 U
100-02-7	4-Nitrophenol	25 U
132-64-9	Dibenzofuran	10 U
121-14-2	2,4-Dinitrotoluene	10 U
84-66-2	Diethylphthalate	10 Ü
86-73-7	Fluorene	10 U
7005-72-3	4-Chlorophenyl-phenylether	10 U
100-01-6	4-Nitroaniline	25 U
534-52-1	4,6-Dinitro-2-methylphenol	25 U
86-30-6	N-nitrosodiphenylamine (1)	10 U
101-55-3	4-Bromophenyl-phenylether	10 U
118-74-1	Hexachlorobenzene	10 U
1912-24-9	Atrazine	. 10 U
87-86-5	Pentachlorophenol	25 U
85-01-8	Phenanthrene	10 U
120-12-7	Anthracene	10 U
86-74-8	Carbazole	10 U
84-74-2	Di-n-butylphthalate	10 U
206-44-0	Fluoranthene	10 U
129-00-0	Pyrene	10 U
85-68-7	Butylbenzylphthalate	10 U
91-94-1	3,3'-Dichlorobenzidine	10 U
56-55-3	Benzo(a)anthracene	10 U
218-01-9	Chrysene	10 Ü
117-81-7	bis(2-Ethylhexyl)phthalate	10 U
117-84-0	Di-n-octylphthalate	10 Ü
205-99-2	Benzo(b)fluoranthene	10 U
207-08-9	Benzo(k)fluoranthene	10 U
50-32-8	Benzo(a)pyrene	10 U
193-39-5	Indeno(1,2,3-cd)pyrene	10 Ü
53-70-3	Dibenzo(a,h)anthracene	10 U
191-24-2	Benzo(g,h,i)perylene	10 U

(1) - Cannot be separated from Diphenylamine

10

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SBLKKO

Lab Name: CEIMIC CORP

Number TICs found: 0

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: S0507-BB1K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8335

Level: (low/med) LOW Date Received: _____

% Moisture: ____ Decanted: (Y/N)___ Date Extracted:05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER COMPOUND NAME RTEST. CONC. ______ 10. 11. 12. 13. 14. 15. 19. 20. 21. 22. 23. 24. 27. 28. 29. 30.

FORM I SV-TIC

OLM04.3

# 2E WATER PESTICIDE SURROGATE RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839 SAS No.:

SDG No.: E0043

	EPA	TCX 1	TCX 2	DCB 1	DCB 2	OTHER	OTHER	TOT
	SAMPLE NO.	%REC #	%REC #	%REC #	%REC #	(1)	(2)	OUT
	=========	=====	=====	=====	======	=====	=====	===
01	PBLK01	95	95	105	105			0
02	PBLK02	80	75	95	95			0
03	E0043	75	80	55	60			0
04	E0045	90	85	75	75			0
05	E0051	75	75	70	65			0
06	E0053	85	85	65	60			<del>- 0</del>
07	E0056	70	70	46	43			0
08	E0058	90	90	95 40	90 46			0
09	E0056MS	75	75	48				0
10	E0056MSD	90	90	50 60	49 60			0
11	E0077	60	70	70	75			0
12	E0080	75	75	70	/5			<del></del>
13								
14								
15								<u> </u>
16								
17								
18								
19								
20								
21 22								
23								
24 25								
26				·				
27								
28								
29								<del></del>
30								
50	l	1		L			<u> </u>	

QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene

(30-150)

S2 (DCB) = Decachlorobiphenyl (30-150)

# Column to be used to flag recovery values
* Values outside of QC limits

D Surrogate diluted out

# WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix Spike - EPA Sample No.: E0056

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC # =====	QC. LIMITS REC.
gamma-BHC (Lindane)	0.50	0.00	0.41	82	56-123
Heptachlor	0.50	0.00	0.33	66	40-131
Aldrin	0.50	0.00	0.39	78	40-120
Dieldrin	1.0	0.00	0.87	87	52-126
Endrin	1.0	0.00	0.91	91	56-121
4,4'-DDT	1.0	0.00	0.72	72	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LI RPD	MITS REC.
gamma-BHC (Lindane)	0.50	0.45	90	9	15	56-123
Heptachlor	0.50	0.36	72	9	20	40-131
Aldrin	0.50	0.43	86	10	22	40-120
Dieldrin	1.0	0.92	92	6	18	52-126
Endrin	1.0	0.96	96	5	21	56-121
4,4'-DDT	1.0	0.77	77	7	27	38-127

[#] Column to be used to flag recovery and RPD values with an asterisk

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits

	•	
COMMENTS:		

^{*} Values outside of QC limits

# PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839

SAS No.: SDG No.: E0043

Lab Sample ID: P0506-B5

Lab File ID: _____

Matrix (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup (Y/N) N

Date Extracted: 05/06/04

Date Analyzed (1): 05/12/04 Date Analyzed (2): 05/12/04

Time Analyzed (1): 2223

Time Analyzed (2): 2223

Instrument ID (1): GC7

Instrument ID (2): GC7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	DATE	DATE
	SAMPLE NO.	SAMPLE ID	ANALYZED 1	ANALYZED 2
	========	=========	========	========
01	E0043	040368-01	05/13/04	05/13/04
02	E0045	040368-02	05/13/04	05/13/04
03	E0051	040368-03	05/13/04	05/13/04
04	E0053	040368-04	05/13/04	05/13/04
05	E0056	040368-06	05/13/04	05/13/04
06	E0058	040368-07	05/13/04	05/13/04
07	E0056MS	040368-06MS	05/13/04	05/13/04
08	E0056MSD	040368-06MSD	05/13/04	05/13/04
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				***
23				
24				
25				
26				

COMMUNITIE .	
COMMENTS:	

page 1 of 1

OLM04.3 FORM IV PEST

# PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839

SAS No.:

SDG No.: E0043

Lab Sample ID: P0510-B5 Lab File ID: _____

Matrix (soil/water) WATER Extraction: (Type) SEPF

Sulfur Cleanup (Y/N) N

Date Extracted: 05/10/04

Date Analyzed (1): 05/12/04 Date Analyzed (2): 05/12/04

Time Analyzed (1): 2333

Time Analyzed (2): 2333

Instrument ID (1): GC7

Instrument ID (2): GC7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

14.9	EPA	LAB	DATE	DATE
1	SAMPLE NO.	SAMPLE ID	ANALYZED 1	ANALYZED 2
	========		=========	========
01	E0077	040368-08	05/13/04	05/13/04
02	E0080	040368-10	05/13/04	05/13/04
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13 14				
14				
15				
16				
17				
18				
19				
20				
21				
.22				
23				
24				
25				
26				

COMMENTS:	

page 1 of 1

FORM IV PEST

OLM04.3

EPA SAMPLE NO.

E0043

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-01

Sample wt/vol: 1000 (g/mL) ML

Lab File ID:

% Moisture: _____ Decanted: (Y/N) ____

Date Received: 05/04/04

Extraction: (Type) SEPF

Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 05/13/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

5 2 5 5 5		0 0 0 0	TT
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	· U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U .
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	· U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	Ū
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	Ū.
12674-11-2	Aroclor-1016	1.0	Ū
11104-28-2	Aroclor-1221	2.0	Ū
11141-16-5	Aroclor-1232	1.0	Ū.
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	Ū
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0045

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-02

Sample wt/vol: 1000 (g/mL) ML

Lab File ID:

% Moisture: ____ Decanted: (Y/N) ___ Date Received: 05/04/04

Extraction: (Type) SEPF

Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q

319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U .
76-44-8	Heptachlor	0.050	Ū
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	Ū
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	Ū
1031-07-8	Endosulfan sulfate	0.10	Ŭ
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	Ū
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	Ū
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U ·
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	Ū
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	Ŭ
11096-82-5	Aroclor-1260	1.0	U

EPA SAMPLE NO.

E0051

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-03

Sample wt/vol: 1000 (g/mL) ML

Lab File ID:

% Moisture: _____ Decanted: (Y/N) ____

Date Received: 05/04/04

Extraction: (Type) SEPF

Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 05/13/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

319-84-6	alpha-BHC	0.050	Ū
319-85-7	beta-BHC	0.050	Ū
319-86-8	delta-BHC	0.050	Ū
58-89-9	gamma-BHC (Lindane)	0.050	Ū
76-44-8	Heptachlor	0.050	Ū
309-00-2	Aldrin	0.050	· U
1024-57-3	Heptachlor epoxide	0.050	Ū
959-98-8	Endosulfan I	0.050	Ū
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	Ü
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	Ü
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	Ü
11096-82-5	Aroclor-1260	1.0	U

E0053	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-04

Sample wt/vol: 1000 (g/mL) ML

Lab File ID:

% Moisture: ____ Decanted: (Y/N) ___

Date Received: 05/04/04

Extraction: (Type) SEPF

Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 05/13/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	Ū
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	Ū
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	Ü
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	Ū
72-20-8	Endrin	0.10	Ü
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	Ū
50-29-3	4,4'-DDT	0.10	Ū
72-43-5	Methoxychlor	0.50	Ū
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	Ü
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	Ū
11096-82-5	Aroclor-1260	1.0	Ū

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0056	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-06

Sample wt/vol: 1000 (g/mL) ML

Lab File ID:

% Moisture:

_____ Decanted: (Y/N) ____

Date Received: 05/04/04

Extraction: (Type) SEPF

Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 05/13/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/L Q

			**
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	Ū
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	Ū
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	Ŭ
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	Ū
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	Ū
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	Ū
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	Ü
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	Ū

E0056MS Contract: 68-W-03-018 Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0043

Lab Sample ID: 040368-06MS Matrix: (soil/water) WATER

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: ____ Decanted: (Y/N) ___ Date Received: 05/04/04

Date Extracted: 05/06/04 Extraction: (Type) SEPF

Date Analyzed: 05/13/04 Concentrated Extract Volume: 10000(uL)

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.41	
76-44-8	Heptachlor	0.33	
309-00-2	Aldrin	0.39	
1024-57-3	Heptachlor epoxide	0.050	U ·
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.87	
72-55-9	4,4'-DDE	0.10	Ū
72-20-8	Endrin	0.91	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	Ü
50-29-3	4,4'-DDT	0.72	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	Ū
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	Ū
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	Ū
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	Ū
11096-82-5	Aroclor-1260	1.0	Ū
		<del></del>	

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0056MSD

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Sample ID: 040368-06MSD

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Sample wt/vol:

1000 (g/mL) ML

Lab File ID:

% Moisture: _____ Decanted: (Y/N) ____

Date Received: 05/04/04

Extraction: (Type) SEPF

Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 05/13/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

319-84-6	alpha-BHC	0.050	Ū
319-85-7	beta-BHC	0.050	Ū
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.45	
76-44-8	Heptachlor	0.36	
309-00-2	Aldrin	0.43	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	Ū
60-57-1	Dieldrin	0.92	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.96	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.77	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	Ü
5103-74-2	gamma-Chlordane	0.050	Ü
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

E0058

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-07

Sample wt/vol: 1000 (g/mL) ML

Lab File ID:

% Moisture: ____ Decanted: (Y/N) ___

Date Received: 05/04/04

Extraction: (Type) SEPF

Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 05/13/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	Ū
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	Ū
309-00-2	Aldrin	0.050	Ū
1024-57-3	Heptachlor epoxide	0.050	Ū
959-98-8	Endosulfan I	0.050	Ū
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE .	0.10	Ū
72-20-8	Endrin	0.10	Ū
33213-65-9	Endosulfan II	0.10	Ū
72-54-8	4,4'-DDD	0.10	Ū
1031-07-8	Endosulfan sulfate	0.10	Ū
50-29-3	4,4'-DDT	0.10	Ū
72-43-5	Methoxychlor	0.50	Ū
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	Ū
5103-74-2	gamma-Chlordane	0.050	Ū
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	Ū
11141-16-5	Aroclor-1232	1.0	U
53469-21-9.	Aroclor-1242	1.0	Ū
12672-29-6	Aroclor-1248	1.0	Ū
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1 - 0	TT

E0077	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-08

Sample wt/vol: 1000 (g/mL) ML

Lab File ID:

% Moisture: _____ Decanted: (Y/N) ____

Date Received: 05/06/04

Extraction: (Type) SEPF

Date Extracted: 05/10/04

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 05/13/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: __

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

		· · · · · · · · · · · · · · · · · · ·	
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	Ū
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	Ū
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	Ŭ
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	Ū
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
1			

E0080

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: 040368-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: ____ Decanted: (Y/N) ___ Date Received: 05/06/04

Extraction: (Type) SEPF

Date Extracted: 05/10/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

319-84-6	alpha-BHC	0.050 U	
319-85-7	beta-BHC	0.050 U	
319-86-8	delta-BHC	0.050 U	
58-89-9	gamma-BHC (Lindane)	0.050 U	
76-44-8	Heptachlor	0.050 U	
309-00-2	Aldrin	0.050 U	
1024-57-3	Heptachlor epoxide	0.050 U	
959-98-8	Endosulfan I	0.050 U	·····
60-57-1	Dieldrin	0.10 Ū	
72-55-9	4,4'-DDE	0.10 U	
72-20-8	Endrin	0.10 U	
33213-65-9	Endosulfan II	0.10 U	
72-54-8	4,4'-DDD	0.10 U	
1031-07-8	Endosulfan sulfate	0.10 Ü	
50-29-3	4,4'-DDT	0.10 U	
72-43-5	Methoxychlor	0.50 U	
53494-70-5	Endrin ketone	0.10 U	
7421-93-4	Endrin aldehyde	0.10 Ü	
5103-71-9	alpha-Chlordane	0.050 U	
5103-74-2	gamma-Chlordane	0.050 U	
8001-35-2	Toxaphene	5.0 U	
12674-11-2	Aroclor-1016	1.0 U	
11104-28-2	Aroclor-1221	2.0 U	
11141-16-5	Aroclor-1232	1.0 U	
53469-21-9	Aroclor-1242	1.0 U	
12672-29-6	Aroclor-1248	1.0 U	
11097-69-1	Aroclor-1254	1.0 U	
11096-82-5	Aroclor-1260	1.0 U	

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PBLK01	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER

Lab Sample ID: P0506-B5

Sample wt/vol: 1000 (g/mL) ML

Lab File ID:

% Moisture: ____ Decanted: (Y/N) ___

Date Received: ____

Extraction: (Type) SEPF

Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/12/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:  $(ug/L or ug/Kg) \underline{UG/L} Q$ 

319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	Ū
33213-65-9	Endosulfan II	0.10	Ū
72-54-8	4,4'-DDD	0.10	Ū
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	Ū
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	Ū
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	Ū
11096-82-5	Aroclor-1260	1.0	U

PBLK02

(ug/L or ug/Kg) UG/L Q

Lab Name: CEIMIC CORP Contract: 68-W-03-018 Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043 Lab Sample ID: P0510-B5 Matrix: (soil/water) WATER Sample wt/vol: 1000 (g/mL) ML Lab File ID: % Moisture: _____ Decanted: (Y/N) ___ Date Received: _____ Extraction: (Type) SEPF Date Extracted: 05/10/04 Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/12/04 . Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND

53469-21-9 | Aroclor-1242

12672-29-6 Aroclor-1248

11097-69-1 Aroclor-1254

11096-82-5 | Aroclor-1260

319-84-6 alpha-BHC 0.050 319-85-7 beta-BHC 0.050 319-86-8 delta-BHC 0.050 Ū 58-89-9 gamma-BHC (Lindane) 76-44-8 Heptachlor 0.050 0.050 309-00-2 | Aldrin 0.050 1024-57-3 | Heptachlor epoxide IJ 0.050 959-98-8 | Endosulfan I 0.050 U 60-57-1 | Dieldrin 0.10 U 72-55-9 | 4,4'-DDE 0.10 72-20-8 Endrin 0.10 IJ 33213-65-9 Endosulfan II 0.10 0.10 72-54-8 4,4'-DDD 1031-07-8 Endosulfan sulfate 0.10 50-29-3 4,4'-DDT 0.10 U 72-43-5 Methoxychlor 0.50 53494-70-5 | Endrin ketone 0.10 Ū 7421-93-4 | Endrin aldehyde 0.10 5103-71-9 | alpha-Chlordane 0.050 5103-74-2 gamma-Chlordane 0.050 Ū 8001-35-2 Toxaphene 5.0 U 12674-11-2 Aroclor-1016 11104-28-2 Aroclor-1221 Ū 2.0 U 11141-16-5 Aroclor-1232

1.0

1.0

1.0

1.0

U

U

U

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V ESD Central Regional Laboratory Data Tracking Form for Contract Samples

Sample Delivery Group: 8043 CERCLIS No: 16005454566
Case No: 32839 Site Name/Location: John Et Works
Contractor of EPA Lab: CEINIC Data User: 18PA
No. of Samples: Date Sampled or Date Received: 5-28-04
Have Chain-of-Custody records been received? YesNo
Are basic data forms in? Yes No. No. of samples received: 10.  Received by: No. Of Samples received: 5-28-21
Received by: Cur M. Dixon ESAT Date: 5-28-04
Received by: Euro M. Dixon ESMI Date: 5-28-04  Received by LSSS: Euro M. Dixon ESMI Date: 5-28-04
Review started: 56-16-2004 Reviewer Signature: Steplanie Toloin
Total time spent on review: 8 hrs Date review completed: June 18 7000
Copied by: Eug M. Dixon Esper Date: 6-21-04
Copied by: Eug M. Dixon Espai Date: 6-21-04  Mailed to user by: Eug M. Dixon Espai Date: 6-21-04
DATA USER: Please fill in the blanks below and return this form to: Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C
Data received by: Date:
Data review received by: Date:
Inorganic Data Complete  Organic Data Complete  Dioxin data Complete  SAS Data Complete  [] Suitable for Intended Purpose [] \( \sigma \) if OK  [] Suitable for Intended Purpose [] \( \sigma \) if OK  [] Suitable for Intended Purpose [] \( \sigma \) if OK  [] Suitable for Intended Purpose [] \( \sigma \) if OK  [] Suitable for Intended Purpose [] \( \sigma \) if OK  [] Suitable for Intended Purpose [] \( \sigma \) if OK  [] Suitable for Intended Purpose [] \( \sigma \) if OK  [] Suitable for Intended Purpose [] \( \sigma \) if OK  [] Suitable for Intended Purpose [] \( \sigma \) if OK  [] Suitable for Intended Purpose [] \( \sigma \) if OK  [] Suitable for Intended Purpose [] \( \sigma \) if OK
Received by Data Mgmt. Coordinator for Files. Date:

DATE:	June 21, 200	)4		
	P.O. Box 19	Grand Avenue East 276 IL 62794-9276		
Attn:	Bob Casper			
SITE NAME:	US Steel Co	rp. Joliet Works		
CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32839	Ceimic	19	E0074	Water
Upon receipt of data, below.	please check e	each package for completenes	ss and note any	missing deliverables
Send this form back to	o Sylvia Griffin	, Data Management Coordin	ator after filling	g in the blanks below.
Data Received by:		Date:		
PROBLEMS:				
Please indicate if data above.	is complete, as	nd note if there are any delive	rables missing	from the cases noted
Received by Data Ma	magement Coo	ordinator, CRL for file.		
Signature:			\$77.2	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA
FROM: U.S. EPA		<del>-</del>	ez ez	UN 2 4 2004
Region V			*** *** ***	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
Central Regional Lab 536 S. Clark, 10th Flo Chicago II. 60605				

Sent By:

Eva M. Dixon, Sr. Data Specialist ESAT

# JUN 2 1 2004

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY **REGION V**

DATE:			
SUBJECT:	Review of Data Received for Review on5-28-04		
FROM:	Stephen L. Ostrodka, Chief (SMF-4J) Superfund Field Services Section		
TO:	Data User: IEPA		
We have revie	ewed the data for the following case:		
SITE NAME:	US STEEL CORP. Joliet Works (IL)		
CASE NUMBI	ER: <u>32839</u>	_ SDG NUMBEI	R: <u>E0074</u>
Number and T	ype of Samples: <u>19 (Water)</u>		
Sample Numb	pers: <u>E0074 - 76, 82 - 97</u>		
Laboratory: <u>CEIMIC</u>		Hrs. for Review:	
Following are	our findings:		

CC: Howard Pham Region 5 TPO Mail Code: SMF-4J

32839

SDG Number:

E0074

e Name:

US STEEL CORP. Joliet Works (IL)

Laboratory:

Ceimic

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Nineteen (19) Water samples, numbered E0074 - 76, 82 - 97, were collected between the dates of 5/4/2004 and 5/6/2004. The lab received the samples between the dates of 5/5/2004 and 5/7/2004 in good condition. All samples were analyzed for the full list of organic analytes. All were analyzed according to CLP SOW OLM04.3.

Date: <u>June 21, 2004</u>

SDG Number:

E0074

Site Name:

US STEEL CORP. Joliet Works (IL)

Laboratory:

Ceimic

#### HOLDING TIME

No defects found.

#### GC/MS TUNING AND GC INSTRUMENT PERFORMANCE 2.

No defects found.

#### 3. CALIBRATION

The following volatile samples are associated with a continuing calibration whose corr esponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

# 1,2-Dibromo-3-chloropropane

E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0086MS, E0086MSD, E0087, E0088, E0089, E0090, E0091, E0092, E0093, E0094, E0095, E0096, E0097, VBLKOQ, VBLKOR, VBLKOU, VHBLK01

The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

# Dichlorodifluoromethane, Chloromethane, Methyl Acetate, 2-Butanone, 4-Methyl-2pentanone, Tetrachloroethene

E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0087, E0088, E0089, VBLKOQ

# Trichlorofluoromethane

VBLKOU, VHBLK01

# 2-Hexanone

E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0086MS, E0086MSD, E0087, E0088, E0089, E0090, E0091, E0092, E0093, E0094, E0095, E0096, E0097, VBLKOQ, VBLKOR

The following volatile samples are associated with a continuing calibration relative response factor (RRF5) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

# 1,2-Dibromo-3-chloropropane

E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0087, E0088, E0089, VBLKOQ

32839

SDG Number:

E0074

Sie Name:

US STEEL CORP. Joliet Works (IL)

Laboratory:

Ceimic

The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

# Benzaldehyde

E0082, E0087, E0087MS, E0087MSD, E0088, E0090, E0091, E0093, E0097, SBLKKU

# Hexachlorocyclopentadiene

E0076, E0085, E0089, E0092, E0094, E0095, E0096, SBLKJQ, SBLKJW

The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

# Benzaldehyde

E0082, E0087, E0087MS, E0087MSD, E0088, E0090, E0091, E0093, E0097, SBLKJQ, SBLKKU

# 2,2-oxybis(1-Chloropropane), Pentachlorophenol

E0076, E0085, E0089, E0092, E0094, E0095, E0096, SBLKJW

# Caprolactam, 2-Nitroaniline, Di-n-butylphthalate

**SBLKJQ** 

# Hexachlorocyclopentadiene, 4-Nitrophenol, Butylbenzylphthalate, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate

E0076, E0085, E0089, E0092, E0094, E0095, E0096, SBLKJQ, SBLKJW

#### 4. BLANKS

The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Hits are qualified "U" and non-detects are not flagged.

# Methylene Chloride

E0086MS, E0086MSD, E0092

The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

32839

SDG Number:

E0074

Site Name:

US STEEL CORP. Joliet Works (IL)

Laboratory:

Ceimic

# Methylene Chloride

E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0087, E0088, E0089, E0090, E0091, E0093, E0094, E0095, E0096, E0097, VHBLK01

The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (5X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

#### **Trichloroethene**

VHBLK01

The following volatile samples are associated with a contaminated storage blank. Hits are qualified "J" and non-detects are not flagged.

#### Toluene

E0086MS, E0086MSD, E0088

## 5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following pesticide samples have surrogate percent recoveries which exceed the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

## E0076, E0088, E0091, E0092

The following diluted pesticide samples have surrogate percent recoveries which exceed the upper limit of the criteria window. Hits and non-detects are not flagged.

# E0076DL, E0082DL, E0087DL, E0088DL

The following undiluted pesticide samples have surrogate percent recoveries of less than 10%. Hits are qualified "J" and non-detects are qualified "R".

#### E0087

The following pesticide samples have surrogate percent recoveries outside the lower limit of the criteria window, but greater than 10%. Hits are qualified "J" and non-detects are qualified "UJ".

#### E0090

32839

SDG Number:

E0074

∍ Name:

US STEEL CORP. Joliet Works (IL)

Laboratory:

Ceimic

The following diluted pesticide samples have surrogate percent recoveries outside the lower limit of the criteria window, but greater than 10%. Hits and non-detects are not flagged.

E0087DL, E0090DL

#### 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The relative percent difference (RPD) between the following semivolatile matrix spike and matrix spike duplicate recoveries is outside criteria. Hits and non-detects are not flagged. Hits in the unspiked sample, E0087, are qualified "J" and non-detects are flagged "UJ".

#### E0087MS, E0087MSD

Pyrene

# 7. FIELD BLANK AND FIELD DUPLICATE

No samples were identified as a field blanks or field duplicates.

#### 8. INTERNAL STANDARDS

No defects found.

## 9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA, SVOA, and Pesticide/PCB compounds were properly identified.

# 10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

#### E0074

Acetone

#### E0075

Trichlorofluoromethane, Trichloroethene

## E0076

Acetone, Carbon Disulfide

#### E0085

Trichloroethene

Reviewed By: <u>John Walton/Alion Science and Technology Corp.</u>
Date: <u>June</u> 21, 2004

32839

SDG Number:

E0074

Site Name:

US STEEL CORP. Joliet Works (IL)

Laboratory:

Ceimic

# E0086MS, E0086MSD

Acetone

#### E0087

Acetone. Carbon Disulfide

#### E0088

Carbon Disulfide, Cyclohexane, Benzene, Trichloroethene, Methylcyclohexane, Toluene, Ethylbenzene

#### E0090

Acetone

#### E0091

Acetone, 2-Butanone

#### E0092

2-Butanone, Cyclohexane, Isopropylbenzene

#### E0093

Acetone, 2-Butanone, 1,1,2-Trichloroethane

# E0094, E0095

Carbon Disulfide

#### E0096

Carbon Disulfide, Isopropylbenzene

#### E0097

Carbon Disulfide, 2-Butanone, 1,1,2,2-Tetrachloroethane

#### **VBLKOQ**

Methylene Chloride

# VBLKOR, VBLKOU

Methylene Chloride, Trichloroethene

#### VHBLK01

Toluene

Adjusted CRQL values of the following volatile samples are less than the contract specified CRQLs. The contract specified CRQL values are used by CADRE during data validation and reported for non-detected compounds.

32839

SDG Number:

E0074

S: Name:

US STEEL CORP. Joliet Works (IL)

Laboratory:

Ceimic

## E0074, E0085, E0089

The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

#### E0074

Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo (g,h,i) perylene

#### E0075

Naphthalene, Acenaphthylene, Phenanthrene, Anthracene, bis(2-Ethylhexyl)phthalate, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) - anthracene, Benzo (g,h,i) perylene

#### E0076

4-Chloroaniline, 2-Methylnaphthalene, 1,1'-Biphenyl, Dibenzofuran, Anthracene, Carbazole, Benzo(a)pyrene, Dibenzo (a,h) - anthracene

#### E0082

Fluoranthene, Pyrene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

#### E0083

Naphthalene, 2-Methylnaphthalene, Dibenzofuran, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

#### E0084

Naphthalene, Caprolactam, 2-Methylnaphthalene, Dibenzofuran, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

#### E0085

2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Carbazole, Dibenzo (a,h) - anthracene

#### E0086

2-Methylnaphthalene, 1,1'-Biphenyl, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, bis(2-Ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene, Benzo (g,h,i) perylene

# E0086MS

Naphthalene, 2-Methylnaphthalene, 1,1'-Biphenyl, Pentachlorophenol, Anthracene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate,

32839

SDG Number:

E0074

Site Name:

US STEEL CORP. Joliet Works (IL)

Laboratory:

Ceimic

Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo (g,h,i) perylene

#### **E0086MSD**

Naphthalene, 2-Methylnaphthalene, 1,1'-Biphenyl, Dibenzofuran, Pentachlorophenol, Anthracene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo (g,h,i) perylene

#### E0087

Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Dibenzofuran, Fluorene, Anthracene, Carbazole, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) - anthracene, Benzo (g,h,i) perylene

#### E0087MS

Naphthalene, 2-Methylnaphthalene, Dibenzofuran, Fluorene, Carbazole, bis(2-Ethylhexyl)phthalate, Dibenzo (a,h) - anthracene

#### E0087MSD

2-Methylnaphthalene, Phenanthrene, Anthracene, Benzo(a)anthracene, Chrysene

#### E0088

Acenaphthene, Dibenzofuran, Fluorene, Phenanthrene, Anthracene

# E0089

2-Methylnaphthalene, Phenanthrene, Pyrene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) - anthracene, Benzo (g,h,i) perylene

#### E0090

Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(k)fluoranthene, Benzo(a)pyrene

# E0091

Acenaphthene, Fluorene, Anthracene, Fluoranthene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Benzo (g,h,i) perylene

#### E0092

2-Methylnaphthalene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(a)pyrene, Benzo (g,h,i) perylene

Case Number :

32839

SDG Number:

E0074

Sita Name:

US STEEL CORP. Joliet Works (IL)

Laboratory:

Ceimic

### E0093

Phenanthrene

# E0094

Benzaldehyde, 4-Methylphenol, Dibenzofuran, Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

### E0095

Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Carbazole, bis(2-Ethylhexyl)phthalate

### E0096

Benzaldehyde, bis(2-Ethylhexyl)phthalate

# E0097

Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

# **SBLKJW**

bis(2-Ethylhexyl)phthalate

Adjusted CRQL values of the following semivolatile samples are less than the contract specified CRQLs. The contract specified CRQL values are used by CADRE during data validation and reported for non-detected compounds.

### E0093

The following pesticide samples have analytes for which the percent difference between column results exceeds primary criteria. Hits are qualified "J".

### E0076

beta-BHC, Heptachlor epoxide, alpha-Chlordane

### E0082

beta-BHC, 4,4-DDE, 4,4-DDT, Endrin ketone

### E0082DL

4,4-DDT

### E0083

Heptachlor epoxide, Endrin, Endosulfan II, 4,4-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, alpha-Chlordane

Case Number:

32839

SDG Number:

E0074

Site Name:

US STEEL CORP. Joliet Works (IL)

Laboratory:

Ceimic

# E0083DL

alpha-Chlordane

### E0084

Heptachlor epoxide, Endrin, Endosulfan II, 4,4-DDT, Endrin ketone, Endrin aldehyde

# E0084DL

Endosulfan II

# E0085, E0086

Endrin ketone

# E0086MS, E0086MSD

gamma-BHC (Lindane), Heptachlor, Dieldrin, Endrin, 4,4-DDT

### E0087

beta-BHC, Aldrin, 4,4-DDE, Endrin ketone, alpha-Chlordane

#### E0088

beta-BHC, delta-BHC, Dieldrin, Endrin, Methoxychlor, Endrin aldehyde, gamma-Chlordane

### E0090

4,4-DDE, Endosulfan II, 4,4-DDT, Endrin ketone, Endrin aldehyde, alpha-Chlordane

#### E0091

4,4-DDT, Endrin ketone

### E0092

Endrin ketone, alpha-Chlordane

# E0093

Heptachlor epoxide, Endrin ketone

### E0094, E0095

Endrin ketone

### E0097

Heptachlor epoxide, 4,4-DDE, Endrin ketone, alpha-Chlordane

### 11. SYSTEM PERFORMANCE

Case Number :

32839

SDG Number:

E0074

Si Name:

US STEEL CORP. Joliet Works (IL)

Laboratory:

Ceimic

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

# 12. ADDITIONAL INFORMATION

Verification of volatile non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0086MSD, E0087, E0088, E0089, E0090, E0091, E0092, E0093, E0094, E0095, E0096, E0097, VBLKOQ, VBLKOR, VBLKOU, VHBLK01

Verification of semivolatile non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0086MS, E0086MSD, E0087, E0087MSD, E0088, E0089, E0090, E0091, E0092, E0093, E0094, E0095, E0096, E0097, SBLKDH, SBLKDI, SBLKJQ, SBLKJW, SBLKKU

Verification of pesticide/PCB non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E0074, E0075, E0076, E0076DL, E0082, E0082DL, E0083, E0083DL, E0084, E0084DL, E0085, E0086, E0086MS, E0086MSD, E0087, E0087DL, E0088, E0088DL, E0089, E0090, E0090DL, E0091, E0092, E0093, E0093DL, E0094, E0095, E0095DL, E0096, E0097, E0097DL, PBLK01, PBLK02

The following samples had one or more pesticide analyte that exceeded the calibration range. The samples were diluted and the results from the dilution were used as the final reported value for this analyte:

# E0088

beta-BHC, alpha-Chlordane

The following semivolatile sample has a target analyte identified as a TIC. Positive results are qualified "J" and non-detects are qualified "UJ".

# E0074, E0075, E0085, E0086

Benzo(k)fluoranthene

### E0076

Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(k)fluoranthene

Case Number :

32839

SDG Number:

E0074

Site Name:

US STEEL CORP. Joliet Works (IL)

Laboratory:

Ceimic

# E0083

2-Methylnaphthalene

# E0095

Benzo(a)pyrene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene

# CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present)

Sample No.:

Lab ID: CEIMIC Case No .:

Sample Type:

SDG No.:

32839 E0074

Routine Sample

Location:

X117

E0074

Matrix/Level: File Name:

Soil/Low E0074

Concentration

CAS No. Compound Name RT (UG/KG) Q* CYCLOTETRASILOXANE, OCTAMETHYL-556672 16.92 13 NJ

*Q: Laboratory Qualifier

# Semivolatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E0074

Routine Sample Sample Type: CEIMIC

Lab ID: Case No.: 32839 E0074 SDG No.:

Location:

X117 Soil/Low

Matrix/Level: File Name:

E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
	UNKNOWN	7.43	110	J
	UNKNOWN	11.87	84	J
	UNKNOWN FATTY ACID	12.15	81	J
	UNKNOWN PAH	12.25	130	J
	UNKNOWN PAH	12.81	99	J
	UNKNOWN KETONE	15.07	140	J
	UNKNOWN AMIDE	15.40	160	J
•	UNKNOWN	15.58	100	J
	UNKNOWN ALCOHOL/ALKENE	15.77	530	J
	UNKNOWN	15.99	260	J
٠	UNKNOWN	16.22	220	J
	UNKNOWN	16.30	.610	J
	UNKNOWN	18 77	170	ĭ

^{*}Q: Laboratory Qualifier

# Volatile Sample Analysis Tentatively Identified Compounds

Sample Type: Routine Sample Lab ID: **CEIMIC** 

Location:

X111

E0075

Matrix/Level:

Sample No.:

Soil/Low E0074

SDG No.: E0074 File Name:

Concentration

CAS No. Compound Name UNKNOWN SILOXANE

32839

RT (UG/KG) Q* 16.92 J 21

*Q: Laboratory Qualifier

Case No .:

Sample No.:

E0075

Sample Type:

Routine Sample

Lab ID:

**CEIMIC** 

ase No.: 32839 SDG No.: E0074 Location: Matrix/Level: X111 Soil/Low

File Name:

E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
•	UNKNOWN	12.09	170	J
84651	9,10-ANTHRACENEDIONE	12.57	130	NJ
	UNKNOWN	12.81	110	J
	UNKNOWN AROMATIC COMPOUND	14.87	200	J
	UNKNOWN	15.74	. 120	J
	UNKNOWN	16.02	140	J
•	UNKNOWN	16.50	170	J

^{*}Q: Laboratory Qualifier

# Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E0076

Sample Type: Lab ID:

Routine Sample

CEIMIC

Case No .: SDG No.: 32839

E0074

Location:

X113

Matrix/Level: File Name:

Soil/Low E0074

CAS No.

Compound Name

RT

Concentration (UG/KG)

UNKNOWN SILOXANE

16.92

Q* 34 J

^{*}Q: Laboratory Qualifier

Sample No.:

E0076

S	an	ipie	1	ype:
		im		

Routine Sample

Lab ID: Case No.: SDG No.: CEIMIC 32839

E0074

Location: Matrix/Level:

File Name:

X113 Soil/Low E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
95136	INDENE	6.54	1600	NJ
	UNKNOWN	12.21	730	J
	UNKNOWN PAH	13.46	530	J
243174	11H-BENZO[B]FLUORENE	13.58	1400	NJ
	UNKNOWN PAH	13.81	1100	J
	UNKNOWN	13.91	480	J
•	UNKNOWN	14.04	450	J
82053	7H-BENZ[DE]ANTHRACEN-7-ONE	14.16	1300	NJ
-	UNKNOWN PAH	14.33	660	J
	UNKNOWN PAH	14.38	5000	JD
205436	BENZO[B]NAPHTHO[1,2-D]THIOPHENE	14.50	890	NJ
	UNKNOWN	14.86	570	J
	UNKNOWN AROMATIC COMPOUND	14.93	430	<b>J</b> .
1090137	5,12-NAPHTHACENEDIONE	15.26	2500	NJ
	UNKNOWN PAH	15.37	440	J
	UNKNOWN	15.97	1700	J
	UNKNOWN	16.07	790	J
	UNKNOWN	16.20	930	J
	UNKNOWN	16.48	450	J
	UNKNOWN	16.71	580	J
	UNKNOWN	16.84	- 620	J
	UNKNOWN AROMATIC COMPOUND	17.83	1100	J
	UNKNOWN	19.39	450	J
	UNKNOWN PAH	20.20	840	J

^{*}Q: Laboratory Qualifier

# Volatile Sample Analysis Tentatively Identified Compounds

Tentatively Identified	Compounds
	Comple M

Routine Sample

Sample Type: Lab ID: Case No.: SDG No.:

CEIMIC 32839 E0074 Sample No.:

X129

Location:
Matrix/Level:
File Name:

Soil/Low E0074

E0082

Compound Name

RT

Concentration (UG/KG) Q*

CAS No. 556672

CYCLOTETRASILOXANE, OCTAMETHYL-

16.91

10 NJ

*Q: Laboratory Qualifier

Sample No.: E0082

Location: X129

Matrix/Level: Soil/Med

File Name:

E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
	UNKNOWN	11.35	2700	J
	UNKNOWN	11.38	3400	J
	UNKNOWN AMIDE	11.82	8500	J
	UNKNOWN	12.81	2900	J
	UNKNOWN	13.98	4100	J
5858184	BENZENETHIOL, 2,5-DICHLORO-	16.40	3500	NJ

^{*}Q: Laboratory Qualifier

Sample Type:

Lab ID:

Sample Type:

se No.:

SDG No.:

ab ID:

Routine Sample CEIMIC

32839

E0074

# Volatile Sample Analysis Tentatively Identified Compounds

Routine Sample
CEIMIC Location: X126
32839 Matrix/Level: Soil/Low

 Case No.:
 32839
 Matrix/Level:
 Soil/Lo

 SDG No.:
 E0074
 File Name:
 E0074

CAS No. Compound Name RT (UG/KG) Q*
UNKNOWN SILOXANE 16.91 34 J

### Semivolatile Sample Analysis Tentatively Identified Compounds

Sample No.: E0083 Sample Type: Routine Sample Lab ID: **CEIMIC** Location: X126 Case No.: 32839 Matrix/Level: Soil/Low SDG No.: E0074 File Name: E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
571584	NAPHTHALENE, 1,4-DIMETHYL-	9.63	1600	NJ
	UNKNOWN PAH	10.11	1500	J
	UNKNOWN PAH	10.24	750	J
2245387	NAPHTHALENE, 1,6,7-TRIMETHYL-	10.46	700	NJ
7320538	DIBENZOFURAN, 4-METHYL-	10.82	1600	NJ
	UNKNOWN AROMATIC COMPOUND	11.41	860	J
	UNKNOWN AMIDE	11.81	480	J
	UNKNOWN	11.90	930	· J
	UNKNOWN AROMATIC COMPOUND	12.26	1100	J
	UNKNOWN SILOXANE	12.84	790	J
	UNKNOWN	15.83	550	J
	UNKNOWN PAH	16.48	1200	J
	UNKNOWN	16.77	580	J
	UNKNOWN	17.28	1100	J
	UNKNOWN	17.69	590	J
	UNKNOWN	18.07	720	J
	UNKNOWN AROMATIC COMPOUND	18.85	2600	J

^{*}Q: Laboratory Qualifier

[:] Laboratory Qualifier

Sample No.:

E0084

Sample Type:

Routine Sample

Lab ID: Case No .: SDG No.: CEIMIC

E0074

32839

Location: Matrix/Level: X126A

File Name:

Soil/Low E0074

CAS No.

Compound Name

UNKNOWN SILOXANE

RT

16.91

Concentration (UG/KG)

17 J

*Q: Laboratory Qualifier

### Semivolatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E0084

Sample Type:

Routine Sample

Lab ID:

CEIMIC

32839 Case No.: SDG No.: E0074 Location:

X126A

Matrix/Level:

Soil/Low

File Name:

E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
573988	NAPHTHALENE, 1,2-DIMETHYL-	9.63	1800	NJ
	UNKNOWN PAH	10.23	670	J ·
829265	NAPHTHALENE, 2,3,6-TRIMETHYL-	10.34	1000	NJ
2245387	NAPHTHALENE, 1,6,7-TRIMETHYL-	10.46	840	NJ
7320538	DIBENZOFURAN, 4-METHYL-	10.83	2200	NJ
	UNKNOWN AROMATIC COMPOUND	11.42	1200	J
	UNKNOWN ALCOHOL/ALKENE	11.82	700	J
	UNKNOWN	11.90	1600	J
883205	PHENANTHRENE, 9-METHYL-	12.27	1300	NJ
84651	9,10-ANTHRACENEDIONE	12.58	620	NJ
	UNKNOWN	12.85	1200	J
	UNKNOWN	15.64	460	J
	UNKNOWN	16.31	870	J
	UNKNOWN	16.82	880	J
	UNKNOWN PAH	17.14	680	J
	UNKNOWN	17.31	1600	J
	UNKNOWN	18.10	830	J
	UNKNOWN	18.87	4100	JD

^{*}Q: Laboratory Qualifier

### Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E0085

Sample Type:

Routine Sample

Lab ID: Case No.:

SDG No.:

CEIMIC

32839

E0074

Location: Matrix/Level:

X127 Soil/Low

File Name:

E0074

CAS No.

Compound Name

RT

Concentration (UG/KG)

UNKNOWN SILOXANE

16.91

Q* J

^{*}Q: Laboratory Qualifier

Sample No.:

E0085

i	S	am	ple	Тур	e
	т	_1.	ID.		

Routine Sample

વb ID: se No.: SDG No.: **CEIMIC** 32839

E0074

Location:

Matrix/Level: File Name:

X127 Soil/Low E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
569415	NAPHTHALENE, 1,8-DIMETHYL-	9.58	680	NJ
571584	NAPHTHALENE, 1,4-DIMETHYL-	9.73	270	NJ
2131411	NAPHTHALENE, 1,4,5-TRIMETHYL-	10.56	250	NJ
7320538	DIBENZOFURAN, 4-METHYL-	10.92	280	NJ
	UNKNOWN PAH	12.43	310	J
	UNKNOWN PAH	12.56	89	J
84651	9,10-ANTHRACENEDIONE	12.61	. 77	NJ
3674666	PHENANTHRENE, 2,5-DIMETHYL-	12.84	110	NJ
	UNKNOWN PAH	13.44	240	J
238846	11H-BENZO[A]FLUORENE	13.55	440	NJ
	UNKNOWN PAH	13.62	280	J
2381217	PYRENE, 1-METHYL-	13.78	780	NJ
82053	7H-BENZ[DE]ANTHRACEN-7-ONE	14.13	510	NJ
	UNKNOWN	14.25	980	J
	UNKNOWN	14.82	170	J
1090137	5,12-NAPHTHACENEDIONE	15.67	600	NJ
602551	ANTHRACENE, 9-PHENYL-	16.03	650	NJ
205823	BENZO[J]FLUORANTHENE	17.17	260	NJ
	UNKNOWN	18.21	990	J
	UNKNOWN	18.78	240	J
	UNKNOWN	19.13	830	J
	UNKNOWN PAH	19.46	270	J
	UNKNOWN PAH	19.61	520	J
	UNKNOWN PAH	20.15	1600	J
	UNKNOWN	20.95	550	J
	UNKNOWN	22.70	460	J

^{*}Q: Laboratory Qualifier

# Volatile Sample Analysis Tentatively Identified Compounds

E0086

Sample Type:

Spike Original

Lab ID: Case No.: SDG No.: CEIMIC 32839

E0074

Sample No.:

Location: Matrix/Level: X144 Soil/Low

File Name:

E0074

CAS No.

Compound Name

UNKNOWN SILOXANE

RT

Concentration (UG/KG)

16.91

Q* J

21

*Q: Laboratory Qualifier

Sample No.:

E0086

Sample Type:
Lab ID:

Spike Original

CEIMIC

Location:

X144

Case No.: SDG No.: 32839 E0074 Matrix/Level:

Soil/Low E0074

File Name:	EUU

		•	Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
90120	NAPHTHALENE, 1-METHYL-	8.68	120	NJ
571584	NAPHTHALENE, 1,4-DIMETHYL-	9.63	210	NJ
54789456	3-BUTEN-2-ONE, 1-(2,3,6-TRIMETHYLPHENYL)	10.10	130	NJ
7320538	DIBENZOFURAN, 4-METHYL-	10.82	150	NJ
529055	AZULENE, 7-ETHYL-1,4-DIMETHYL-	11.42	85	NJ
	UNKNOWN	11.89	96	J
613127	ANTHRACENE, 2-METHYL-	12.27	130	NJ
	UNKNOWN PAH	12.84	170	J
25732745	3,4-DIHYDROCYCLOPENTA(CD)PYRENE (ACEPYRE	14.24	88	NJ
	UNKNOWN ALCOHOL/ALKENE	15.56	150	J
	UNKNOWN	15.82	220	J
	UNKNOWN	16.05	260	J
	UNKNOWN	16.26	150	J
192972	BENZO[E]PYRENE	16.35	130	NJ
5875456	PHENOL, 2,5-BIS(1,1-DIMETHYLETHYL)-	18.07	140	NJ
1014706	1,3,5-TRIAZINE-2,4-DIAMINE, N,N'-DIETHYL	18.47	160	NJ
5875456	PHENOL, 2,5-BIS(1,1-DIMETHYLETHYL)-	18.83	200	NJ
958714	11H-DIBENZO[C,F][1,2]DIAZEPINE, 3,8-DICH	19.86	90	NJ

^{*}Q: Laboratory Qualifier

# Volatile Sample Analysis Tentatively Identified Compounds

Sample No .:

E0087

Sample Type:

Routine Sample

Lab ID:

CEIMIC

Case No.: SDG No.: 32839

E0074

Location:

X138

Matrix/Level:

Soil/Low

File Name:

E0074

CAS No.

Compound Name

UNKNOWN SILOXANE

RT

Concentration (UG/KG)

16.91

Q* 13 J

*Q: Laboratory Qualifier

Sample No.:

E0087

Sample Type:

Tab ID:

se No.:

SDG No.:

Spike Original

CEIMIC

32839

32839 E0074 Location: Matrix/Level: X138

File Name:

Soil/Med E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
	UNKNOWN PAH	7.88	5900	J
	UNKNOWN	8.53	4900	J
	UNKNOWN	8.63	4600	J
	UNKNOWN AROMATIC COMPOUND	8.75	17000	J
	UNKNOWN	8.87	7800	J
	UNKNOWN FATTY ACID	9.35	16000	J
•	UNKNOWN PAH	9.41	8100	J
	UNKNOWN	9.49	23000	J
	UNKNOWN	9.93	9900	J
	UNKNOWN PAH	, 10.44	50000	J
	UNKNOWN PAH	10.49	42000	J
	UNKNOWN	10.87	30000	J
	UNKNOWN	11.01	21000	J
	UNKNOWN	12.36	3700	· J
	UNKNOWN	12.83	3900	J
	UNKNOWN	15.86	3500	J
	UNKNOWN	15.93	6200	J
	UNKNOWN	16.00	3600	J
	UNKNOWN	16.74	5100	J

^{*}Q: Laboratory Qualifier

Sample No.:

E0088

Sample Type:

Case No.:

SDG No.:

Routine Sample

Lab ID: CEIMIC

32839 E0074 Location:

X143

Matrix/Level: File Name: Soil/Low E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
	CYCLIC ALKANE	15.53	250	J.
	BRANCHED ALKANE	15.90	230	J
	CYCLIC ALKANE	16.02	270	J
	BRANCHED ALKANE	16.11	160	J
	BRANCHED ALKANE	16.36	140	J
	BRANCHED ALKANE	16.47	260	J
¥	UNKNOWN ALKENE	16.68	520	J
	CYCLIC ALKANE	16.91	190	J
	CYCLIC ALKENE	17.00	230	J
	CYCLIC ALKANE	17.09	430	J
	UNKNOWN	17.16	180	J
	CYCLIC ALKANE	17.40	150	J
	BRANCHED ALKANE	17.56	150	J
	BRANCHED ALKANE	17.63	770	J
	BRANCHED ALKANE	17.84	240	J
	C3-BENZENE ISOMER	17.90	99	J
	CYCLIC ALKANE	18.01	410	j
	BRANCHED ALKANE	18.20	390	J
	BRANCHED ALKANE	18.26	290	J
	CYCLIC ALKANE	18.38	180	J
	BRANCHED ALKANE	18.44	220	J
141935	BENZENE, 1,3-DIETHYL-	18.54	570	NJ
91178	NAPHTHALENE, DECAHYDRO-	18.64	490	NJ
	CYCLIC ALKANE	19.09	540	J
2870044	BENZENE, 2-ETHYL-1,3-DIMETHYL-	19.18	740	NJ
	C4-BENZENE ISOMER	19.33	680	J
	UNKNOWN KETONE	19.44	170	J
89827	PULEGONE	19.53	520	NJ
*	CYCLIC ALKANE	19.67	650	J
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	19.72	750	NJ
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	19.79	980	NJ
	C4-BENZENE ISOMER	19.90	430	J
	UNKNOWN	20.03	200	J
27133933	2,3-DIHYDRO-1-METHYLINDENE	20.14	450	NJ
	C5-BENZENE ISOMER	20.23	230	J
	UNKNOWN	20.35	1300	J
	BRANCHED ALKANE	20.54	430	J
54411120	BENZENE, (2-CHLORO-2-BUTENYL)-	20.71	310	NJ
6682719	1H-INDENE, 2,3-DIHYDRO-4,7-DIMETHYL-	20.78	390	NJ
	UNKNOWN	20.85	510	J
	TETRAHYDRO-NAPHTHALENE ISOMER	20.98	370	J

^{*}Q: Laboratory Qualifier

Sample No.:

E0088

Sample Type:
Tab ID:
se No.:

SDG No.:

Routine Sample

E0074

CEIMIC 32839 Location: Matrix/Level: X143 Soil/Low

File Name:

E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
	DECAHYDRONAPHTHALENE ISOMER	21.21	300	J
	C5-BENZENE ISOMER	21.42	330	J
1559815	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-1-METHYL	21.68	390	NJ
6682719	1H-INDENE, 2,3-DIHYDRO-4,7-DIMETHYL-	21.91	500	NJ
	C5-BENZENE ISOMER	22.09	94	J
	UNKNOWN	22.17	220	J
769255	BENZENE, 2-ETHENYL-1,3,5-TRIMETHYL-	22.35	120	NJ
90120	NAPHTHALENE, I-METHYL-	22.84	320	NJ

^{*}Q: Laboratory Qualifier

# Semivolatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E0088

Sample Type: Lab ID: Routine Sample CEIMIC

Case No.: SDG No.: 32839 E0074 Location:

X143

Matrix/Level: File Name:

Soil/Med E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
	UNKNOWN AROMATIC COMPOUND	6.25	38000	J
	UNKNOWN AROMATIC COMPOUND	6.29	47000	J
90120	NAPHTHALENE, 1-METHYL-	6.47	200000	NJD
	UNKNOWN	6.51	69000	J
4175546	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-1,4-DIME	6.95	43000	NJ
939275	NAPHTHALENE, 2-ETHYL-	6.98	55000	NJ
575439	NAPHTHALENE, 1,6-DIMETHYL-	7.06	240000	NJD
581408	NAPHTHALENE, 2,3-DIMETHYL-	7.16	190000	NJD
581408	NAPHTHALENE, 2,3-DIMETHYL-	7.29	77000	NJD
581408	NAPHTHALENE, 2,3-DIMETHYL-	7.40	75000	NJD
	UNKNOWN ALCOHOL/ALKENE	7.43	51000	J
	UNKNOWN PAH	7.71	71000	JD
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	7.79	130000	NJD
2245387	NAPHTHALENE, 1,6,7-TRIMETHYL-	7.88	53000	NJ
2245387	NAPHTHALENE, 1,6,7-TRIMETHYL-	7.90	63000	NJ
829265	NAPHTHALENE, 2,3,6-TRIMETHYL-	7.97	61000	NJ
	UNKNOWN PAH	8.07	41000	J
	UNKNOWN	8.26	54000	J
	UNKNOWN	8.32	54000	J
	UNKNOWN	8.38	49000	J
529055	AZULENE, 7-ETHYL-1,4-DIMETHYL-	8.46	74000	NJD
529055	AZULENE, 7-ETHYL-1,4-DIMETHYL-	8.53	57000	NJ
	UNKNOWN	8.65	160000	JD
	UNKNOWN	8.71	29000	J
	UNKNOWN AROMATIC COMPOUND	8.87	72000	JD
	UNKNOWN	9.17	76000	JD
	UNKNOWN	9.24	74000	JD
	UNKNOWN PAH	9.38	63000	J
	UNKNOWN PAH	9.40	86000	JD
3674666	PHENANTHRENE, 2,5-DIMETHYL-	9.84	67000	NJ

^{*}Q: Laboratory Qualifier

Sample No.:

E0089

Sample Type:

Routine Sample

Lab ID:

**CEIMIC** 32839

Case No .: SDG No.:

E0074

Location: Matrix/Level: X114

File Name:

Soil/Low E0074

Concentration

CAS No. 556672

Compound Name

CYCLOTETRASILOXANE, OCTAMETHYL-

RT 16.92 (UG/KG)

Q* 9 NJ

*Q: Laboratory Qualifier

### Semivolatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E0089

Sample Type:

Routine Sample

Compound Name UNKNOWN

Lab ID:

CEIMIC

Case No.: SDG No.:

32839 E0074 Location:

X114

Matrix/Level:

Soil/Low

File Name: E0074

RT

7.57

9.58

10.56

12.77

23.76

Concentration	
(UG/KG)	Q*
92	J
240	NJ
86	NJ

575371 829265

CAS No.

NAPHTHALENE, 2,3,6-TRIMETHYL-UNKNOWN UNKNOWN ALCOHOL/ALKENE

NAPHTHALENE, 1,7-DIMETHYL-

UNKNOWN UNKNOWN

13.01 21.99

100 400 590

840

J

*Q: Laboratory Qualifier

### Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

Sample Type:

Routine Sample

Lab ID:

**CEIMIC** 

Case No .: SDG No.: 32839

E0074

E0090

Location:

X116

Matrix/Level: File Name:

Soil/Low E0074

CAS No.

Compound Name

UNKNOWN SILOXANE

Concentration

RT16.91 (UG/KG) Q* 10 J

*Q: Laboratory Qualifier

Sample No.:

E0090

Sample Type:

Routine Sample

ab ID: se No.:

SDG No.:

CEIMIC 32839

E0074

Location: Matrix/Level: X116

File Name:

Soil/Med E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
•	UNKNOWN	11.50	3200	J
	UNKNOWN	11.68	2900	J
	UNKNOWN	11.74	4200	J
	UNKNOWN	11.90	2700	J
	UNKNOWN	11.94	3100	J
	UNKNOWN	12.50	3300	J
	UNKNOWN	12.88	6400	J
	UNKNOWN	14.47	3800	J

^{*}Q: Laboratory Qualifier

Sample No.:

E0091

Sample Type: Lab ID: Routine Sample

CEIMIC 32839 Location: Matrix/Level: X142 Soil/Low

Case No.: 32839 SDG No.: E0074

File Name:

E0074

DDG 110	20077			
			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
	UNKNOWN SILOXANE	16.91	- 11	J
	BRANCHED ALKANE	17.61	10	J
1758889	BENZENE, 2-ETHYL-1,4-DIMETHYL-	19.17	. 14	NJ
27133933	2.3-DIHYDRO-1-METHYLINDENE	19.31	18	NJ
2958761	NAPHTHALENE, DECAHYDRO-2-METHYL-	19.51	25	NJ
	CYCLIC ALKANE	19.65	16	J
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	19.70	23	NJ
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	19.79	39	NJ
	UNKNOWN HYDROCARBON	19.89	11	J
	BRANCHED ALKANE	19.94	. 8	J
824226	1H-INDENE, 2,3-DIHYDRO-4-METHYL-	20.12	11	NJ
	UNKNOWN HYDROCARBON	20.33	65	J
	BRANCHED ALKANE	20.53	30	J
	CYCLIC ALKENE	20.58	11	J
	HALOGENATED HYDROCARBON	20.70	• 11	J
17059482	1H-INDENE, 2,3-DIHYDRO-1,6-DIMETHYL-	20.77	24	NJ
	C5-BENZENE ISOMER	20.83	21	J
17059482	1H-INDENE, 2,3-DIHYDRO-1,6-DIMETHYL-	20.96	. 19	NJ
	UNKNOWN HYDROCARBON	21.19	19	J
	BRANCHED ALKANE	21.31	20	J
	TETRAHYDRO-NAPHTHALENE ISOMER	21.41	20	J
17059482	IH-INDENE, 2,3-DIHYDRO-1,6-DIMETHYL-	21.67	29	NJ
	CYCLIC ALKANE	21.78	12	·J
6682719	1H-INDENE, 2,3-DIHYDRO-4,7-DIMETHYL-	21.90	48	NJ
	C5-BENZENE ISOMER	22.08	12	J
	UNKNOWN	22.17	28	J
	UNKNOWN	22.25	15	J
1129299	BENZENE, 1-(1-METHYLETHENYL)-3-(1-METHYL	22.36	16	NJ
54340862	BENZENE, 4-(2-BUTENYL)-1,2-DIMETHYL-, (E	22.67	15	NJ
90120	NAPHTHALENE, 1-METHYL-	22.83	110	NJ
	UNKNOWN	23.15	13	J
	TETRAHYDRONAPTHALENE ISOMER	23.49	11	J
939275	NAPHTHALENE, 2-ETHYL-	23.78	40	NJ
1127760	NAPHTHALENE, 1-ETHYL-	23.83	26	NJ
571619	NAPHTHALENE, 1,5-DIMETHYL-	23.94	54	NJ

^{*}Q: Laboratory Qualifier

Sample No.:

E0091

o	an	pic	Typ
_ ¥,	٩b	ID:	
	s	e No	).:

SDG No.:

Routine Sample

CEI

CEIMIC 32839

E0074

Location: Matrix/Level: X142 Soil/Med

File Name:

E0074

		•		
			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
2471832	1H-INDENE, 1-ETHYLIDENE-	6.47	11000	NJ
581420	NAPHTHALENE, 2,6-DIMETHYL-	7.06	14000	NJ
575371	NAPHTHALENE, 1,7-DIMETHYL-	7.16	13000	NJ
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	7.64	8300	NJ
2245387	NAPHTHALENE, 1,6,7-TRIMETHYL-	7.76	10000	NJ
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	7.79	10000	NJ
•	UNKNOWN PAH	8.60	7700	J
1730376	9H-FLUORENE, 1-METHYL-	8.65	20000.	NJ
	UNKNOWN	8.76	8900	J
	UNKNOWN	8.86	6600	J
	UNKNOWN AROMATIC COMPOUND	9.06	9000	J
	UNKNOWN PAH	9.08	6900	J
	UNKNOWN	9.12	8900	J
4612639	9H-FLUORENE, 2,3-DIMETHYL-	9.18	11000	NJ
	UNKNOWN	9.24	16000	J
832699	PHENANTHRENE, 1-METHYL-	9.38	21000	NJ
613127	ANTHRACENE, 2-METHYL-	9.40	28000	NJ
	UNKNOWN PAH	9.74	16000	J
1576676	PHENANTHRENE, 3,6-DIMETHYL-	9.77	11000	NJ
3674666	PHENANTHRENE, 2,5-DIMETHYL-	9.84	26000	NJ
	UNKNOWN PAH	9.86	12000	J
	UNKNOWN .	10.11	11000	J
	UNKNOWN PAH	10.20	13000	J
	UNKNOWN PAH	10.42	9900	J
	UNKNOWN PAH	10.50	11000	J
	UNKNOWN PAH	10.58	10000	J
2381217	PYRENE, 1-METHYL-	10.61	8600	NJ
	UNKNOWN PAH	11.48	9600	J
	UNKNOWN	11.62	8300	J
	UNKNOWN	11.70	9600	J

^{*}Q: Laboratory Qualifier

Sample No.:

E0092

Sample Type: Lab ID: Routine Sample

ID: CEIMIC 32839

Location: Matrix/Level: X140

Case No.: SDG No.:

E0074

File Name:

Soil/Low E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
0.101.01	CYCLIC ALKANE	11.58	97	J
	CYCLIC ALKANE	12.36	88	. J
	CYCLIC ALKANE	13.44	95	J
	CYCLIC ALKANE	13.54	100	J
	CYCLIC ALKANE	13.65	130	J
	STRAIGHT-CHAIN ALKENE	13.92	71	J
	CYCLIC ALKANE	14.06	77	J
694724	PENTALENE, OCTAHYDRO-	14.63	89	NJ
03 172 1	CYCLIC ALKANE	14.91	130	J
	CYCLIC ALKANE	15.00	95	j
	CYCLIC ALKANE	15.07	130	J
	CYCLIC ALKENE	15.26	57	J.
4926787	CYCLOHEXANE, 1-ETHYL-4-METHYL-, CIS-	15.50	170	NJ
	CYCLIC ALKANE	15.68	66	J
	BRANCHED ALKANE	15.88	260	J
•	CYCLIC ALKANE	16.01	240	<b>J</b> .
	UNKNOWN	16.27	. 92	J
	BRANCHED ALKANE	16.45	87	J
	UNKNOWN HYDROCARBON	16.50	86	J
	CYCLIC ALKANE	16.66	190	J
	UNKNOWN HYDROCARBON	16.98	. 64	J
	CYCLIC ALKANE	17.07	150	J
	UNKNOWN	17.18	100	J
3868642	PENTALENE, OCTAHYDRO-2-METHYL-	17.39	120	NJ
	BRANCHED ALKANE	17.61	110	J
	CYCLIC ALKANE	17.99	150	J
	UNKNOWN HYDROCARBON	18.50	130	J
	DECAHYDRONAPHTHALENE ISOMER	18.62	86	J
135013	BENZENE, 1,2-DIETHYL-	18.81	78	NJ
	CYCLIC ALKANE	18.85	79	J
2870044	BENZENE, 2-ETHYL-1,3-DIMETHYL-	19.17	160	NJ
27133933	2,3-DIHYDRO-1-METHYLINDENE	19.31	280	NJ
2958761	NAPHTHALENE, DECAHYDRO-2-METHYL-	19.51	140	NJ
	CYCLIC ALKANE	19.65	100	J
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	19.70	160	NJ
2958761	NAPHTHALENE, DECAHYDRO-2-METHYL-	19.80	90	NJ
4175535	1H-INDENE, 2,3-DIHYDRO-1,3-DIMETHYL-	19.89	74	NJ
4706892	BENZENE, 2,4-DIMETHYL-1-(1-METHYLETHYL)-	20.01	54	NJ
3454077	BENZENE, 1-ETHENYL-4-ETHYL-	20.12	69	NJ
27133933	2,3-DIHYDRO-1-METHYLINDENE	20.33	370	NJ
6682719	1H-INDENE, 2,3-DIHYDRO-4,7-DIMETHYL-	20.77	150	NJ

^{*}Q: Laboratory Qualifier

Sample No.:

E0092

Sample Type:  the b ID: the No.: SDG No.:	Routine Sample CEIMIC 32839 E0074	Location: Matrix/Level: File Name:	X140 Soil/Low E0074
CAS No	Compound Name		RT

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
	UNKNOWN	20.83	83	J
17059482	1H-INDENE, 2,3-DIHYDRO-1,6-DIMETHYL-	20.96	200	NJ
	CYCLIC ALKANE	21.10	77	J
	C5-BENZENE ISOMER	21.20	62	J
•	C5-BENZENE ISOMER	21.41	53	J
4175535	1H-INDENE, 2,3-DIHYDRO-1,3-DIMETHYL-	21.67	82	NJ
17057828	1H-INDENE, 2,3-DIHYDRO-1,2-DIMETHYL-	21.90	120	NJ
	UNKNOWN	22.17	83	J

^{*}Q: Laboratory Qualifier

# Semivolatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E0092

		•	
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X140
Case No.:	32839	Matrix/Level:	Soil/Med
SDG No.:	E0074	File Name:	E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
`120	NAPHTHALENE, 1-METHYL-	8.79	120000	NJD
.9275	NAPHTHALENE, 2-ETHYL-	9.38	38000	NJ
581420	NAPHTHALENE, 2,6-DIMETHYL-	9.46	53000	NJ
575371	NAPHTHALENE, 1,7-DIMETHYL-	9.58	210000	NJD
581408	NAPHTHALENE, 2,3-DIMETHYL-	9.73	78000	NJD
939275	NAPHTHALENE, 2-ETHYL-	9.86	37000	NJ
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	10.15	52000	NJ
2245387	NAPHTHALENE, 1,6,7-TRIMETHYL-	10.30	73000	NJ
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	10.46	96000	NJD
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	10.56	89000	NJD
	UNKNOWN AROMATIC COMPOUND	10.89	55000	J
529055	AZULENE, 7-ETHYL-1,4-DIMETHYL-	11.16	29000	NJ
	UNKNOWN PAH	11.40	67000	J
•	UNKNOWN	11.94	33000	J
610480	ANTHRACENE, 1-METHYL-	12.30	40000	NJ
832644	PHENANTHRENE, 4-METHYL-	12.34	51000	NJ
613127	ANTHRACENE, 2-METHYL-	12.42	95000	NJD
	UNKNOWN	12.64	40000	J
52251715	ANTHRACENE, 2-ETHYL-	12.74	31000	NJ
1576676	PHENANTHRENE, 3,6-DIMETHYL-	12.77	47000	NJ
3674666	PHENANTHRENE, 2,5-DIMETHYL-	12.85	130000	NJD
3674735	PHENANTHRENE, 2,3,5-TRIMETHYL-	13.28	33000	NJ
	UNKNOWN PAH	13.57	54000	J
3442782	PYRENE, 2-METHYL-	13.70	58000	NJ
	UNKNOWN	14.11	44000	J
64401214	PYRENE, 1,3-DIMETHYL-	14.28	39000	NJ
	UNKNOWN	14.75	68000	J
	UNKNOWN PAH	. 15.17	43000	J
	UNKNOWN	18.15	91000	JD
	UNKNOWN	19.86	52000	J

^{*}Q: Laboratory Qualifier

Sample No.:

E0093

Sample Type:

Routine Sample

ab ID:

SDG No.:

CEIMIC 32839

E0074

Location:

X133

Matrix/Level: File Name:

Soil/Low E0074

		D.T.	Concentration	O*
CAS No.	Compound Name	RT	(UG/KG)	Q*
	CYCLIC ALKANE	14.92	7	J
	UNKNOWN	15.46	9	J
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	16.90	15	NJ
	NAPHTHALENE ISOMER	20.08	6	J
	BRANCHED ALKANE	20.54	. 6	J

^{*}Q: Laboratory Qualifier

### Semivolatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E0093

Sample Type:

Routine Sample

Lab ID: Case No.: SDG No.: CEIMIC 32839 Location:

X133

32839 E0074

39

Matrix/Level: File Name:

Soil/Med E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
3658808	TRISULFIDE, DIMETHYL	4.48	3800	NJ
	UNKNOWN	5.93	2700	J
	UNKNOWN	6.33	2500	J
	UNKNOWN	6.64	2200	J
	UNKNOWN	8.37	2100	J
	UNKNOWN	8.46	2400	J
	UNKNOWN	9.23	2500	J
	UNKNOWN ALCOHOL/ALKENE	9.30	4200	J
	UNKNOWN	9.65	4500	J
	UNKNOWN	9.82	2500	J
	UNKNOWN	9.95	2600	J
	UNKNOWN	11.72	2800	J
	UNKNOWN	12.10	3400	J
	UNKNOWN	13.36	3000	J

^{*}Q: Laboratory Qualifier

### Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

E0094

Sample Type:

Routine Sample

Lab ID: Case No.: CEIMIC 32839 Location:

X134

Case No.: 32839 SDG No.: E0074 Matrix/Level: File Name: Soil/Low E0074

CAS No.

Compound Name

RT

Concentration

556672

CYCLOTETRASILOXANE, OCTAMETHYL-

16.91

(UG/KG) Q*

*Q: Laboratory Qualifier

Sample No.:

E0094

Sample Type:

Routine Sample

Lab ID: Case No.:

SDG No.:

CEIMIC 32839 E0074 Location: Matrix/Level: X134 Soil/Low

File Name:

E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
575417	NAPHTHALENE, 1,3-DIMETHYL-	9.73	740	NJ
829265	NAPHTHALENE, 2,3,6-TRIMETHYL-	10.57	740	NJ
	UNKNOWN	10.92	690	J
13150817	2,6-DIMETHYLDECANE	11.58	1000	NJ
	UNKNOWN	12.04	380	JD
779022	ANTHRACENE, 9-METHYL-	12.42	1200	NJ
35465715	2-PHENYLNAPHTHALENE	12.57	460	NJD
	UNKNOWN	12.63	370	JD
	UNKNOWN	15.27	450	JD
	UNKNOWN	15.68	800	J
	UNKNOWN KETONE	16.13	590	J
	UNKNOWN	16.24	640	J
	UNKNOWN	17.60	1500	J
	UNKNOWN PAH	19.15	1200	J
	UNKNOWN	19.46	1200	J
	UNKNOWN	19.65	1100	J
14021239	D-FRIEDOOLEAN-14-ENE, 3-METHOXY-, (3.BET	20.22	30000	NJD
	UNKNOWN PAH	20.49	9100	JD
	UNKNOWN	22.28	760	J
16595805	LEVAMISOLE HYDROCHLORIDE	22.72	580	NJ
604397	ANDROST-4-EN-3-ONE, 17-HYDROXY-, (10.ALP	22.87	1300	NJ
0000	PYRROLIDIN-5-ONE, 2,3-DEDIHYDRO-3-NITRO-	23.39	500	NJD

^{*}Q: Laboratory Qualifier

# Volatile Sample Analysis Tentatively Identified Compounds

Sample No.:

Sample Type:

Routine Sample

Lab ID:

CEIMIC

Case No.: SDG No.: 32839 E0074 Location: Matrix/Level: X135

E0095

iviai

Soil/Low

File Name:

E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	16.90	13	NJ

^{*}Q: Laboratory Qualifier

Sample No.:

E0095

Sample Type:	Routine Sample
ab ID:	CEIMIC
ise No.:	32839
SDG No ·	E0074

Location:
Matrix/Level:
File Name:

X135 Soil/Low E0074

			Concentration	
CAS No.	Compound Name	· RT	(UG/KG)	Q*
	UNKNOWN	6.09	410	J
1210124	9-ANTHRACENECARBONITRILE	13.40	230	NJ
2381217	PYRENE, 1-METHYL-	13.45	200	NJ
238846	11H-BENZO[A]FLUORENE	13.57	280	NJ
•	UNKNOWN PAH	13.69	210	J
239350	BENZO[B]NAPHTHO[2,1-D]THIOPHENE	14.29	340	NJ
	UNKNOWN PAH	14.78	240	J
	UNKNOWN AROMATIC COMPOUND	14.91	340	J
	UNKNOWN PAH	15.23	240	J
1090137	5,12-NAPHTHACENEDIONE	15.70	390	NJ
	UNKNOWN AROMATIC COMPOUND	16.05	790	J
	UNKNOWN	16.25	600	J
	UNKNOWN	16.70	360	J
	UNKNOWN	16.78	340	J
205823	BENZO[J]FLUORANTHENE	16.90	3500	NJ
198550	PERYLENE	17.19	790	NJ
	UNKNOWN	18.20	680	J
14021239	D-FRIEDOOLEAN-14-ENE, 3-METHOXY-, (3.BET	20.23	23000	NJ
215587	BENZO[B]TRIPHENYLENE	. 20.34	330	NJ
	UNKNOWN	20.50	3100	J
	UNKNOWN	21.65	790	J
	UNKNOWN	21.92	880	J
	UNKNOWN	22.31	490	J.
	UNKNOWN PAH	22.73	1700	J
·	UNKNOWN	23.49	310	J

^{*}Q: Laboratory Qualifier

Sample No.:

E0096

Sample Type:

Routine Sample

Lab ID: Case No.:

SDG No.:

CEIMIC 32839

E0074

Location:
Matrix/Level:

X112 Soil/Low

File Name:

E0074

			•	Concentration	
CAS No.	Compound Name		RT	(UG/KG)	Q*
	UNKNOWN		6.09	400	J
112345	ETHANOL, 2-(2-BUTOXYETHOXY)-		7.58	230	NJ
1074891	1H-PURINE, 6-METHOXY-		11.28	260	NJ
	UNKNOWN		12.22	370	J
	UNKNOWN		13.26	110	J
638664	OCTADECANAL		13.90	130	NJ
•	UNKNOWN		14.28	150	J
629663	2-NONADECANONE		15.06	.310	NJ
	UNKNOWN ALCOHOL/ALKENE		15.31	170	J
	UNKNOWN		15.57	190	J
	UNKNOWN ALCOHOL/ALKENE		15.72	300	J
	UNKNOWN KETONE		16.16	280	J
	UNKNOWN KETONE		16.85	110	J
	UNKNOWN KETONE		17.64	260	J
	UNKNOWN		18.02	100	J
	UNKNOWN		18.23	580	J
	UNKNOWN		18.36	130	J
	UNKNOWN		18.66	180	J ·
•	UNKNOWN		18.82	100	J
	UNKNOWN		19.63	480	J
14021239	D-FRIEDOOLEAN-14-ENE, 3-METHOXY-, (3.BET		20.23	6800	NJ
	UNKNOWN		20.52	3200	J
	UNKNOWN	•	20.94	170	J
	UNKNOWN		21.14	200	J
	UNKNOWN		21.25	570	J
	UNKNOWN		21.68	280	J
	UNKNOWN		22.30	190	J
	UNKNOWN		22.62	260	J
	UNKNOWN		22.75	330	J
	UNKNOWN		22.89	440	J

^{- *}Q: Laboratory Qualifier

# Volatile Sample Analysis Tentatively Identified Compounds

		Sample No.:	E0097
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X130
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

			Concentration	
CAS No.	Compound Name	RT	(UG/KG)	Q*
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	16.90	9	NJ
	UNKNOWN	20.54	11	J
	UNKNOWN	21.20	8	J

^{*}Q: Laboratory Qualifier

		Tentatively Identified Compoun	nds			
•			Sample No.:	E0097		
Sample Type:	Routine Sample		Sumpre Tron	20071		
ab ID:	CEIMIC		Location:	X130		
se No.:	32839		Matrix/Level:	Soil/Med	i	
	E0074		File Name:	E0074	•	
SDG No.:	E0074		THE Name.	E0074		
					Concentration	
CAGN	Course d Norse			RT	(UG/KG)	O*
CAS No.	Compound Name					Q*
3658808	TRISULFIDE, DIMETHYL			4.48	13000	NJ
	UNKNOWN			5.93	9700	J
	UNKNOWN			11.45	2900	J
	UNKNOWN AMIDE			11.72	8900	J
	UNKNOWN			13.85	9000	J
#0 x 1	0 110					
*Q: Laboratory	Qualifier					
					*	
		Semivolatile Sample Analysi				
	•	Tentatively Identified Compound				
			Sample No.:	SBLKD	θH	
Sample Type:	Method Blank	•				
Lab ID:	CEIMIC		Location:			
Case No.:	32839		Matrix/Level:	Soil/Low	İ	
SDG No.:	E0074		File Name:	E0074		
					Concentration	
CAS No.	Compound Name			RT	(UG/KG)	Q*
	UNKNOWN			5.23	180	J
	UNKNOWN			7.52	250	J
Q: Laboratory	Qualifier					
ł.,						
		Semivolatile Sample Analysi			•	
		Tentatively Identified Compou			-	
			Sample No.:	SBLKK	U	
Sample Type:	Method Blank					
Lab ID:	CEIMIC		Location:			
Case No.:	32839		Matrix/Level:	Soil/Med	i	
SDG No.:	E0074		File Name:	.E0074		
•					Concentration	
CAS No.	Compound Name			RT	(UG/KG)	Q*
	UNKNOWN	,		11.01	2000	J
*Q: Laboratory	Qualifier					
		Volatile Sample Analysis				
		Tentatively Identified Compou	nds			
			Sample No.:	VBLKO	OR	
Sample Type:	Method Blank					
Lab ID:	CEIMIC		Location:			
Case No.:	32839		Matrix/Level:	Soil/Low	v	
CDC No.	E0074 '		Ella Mamas	E0074		

CAS No.
 Compound Name
 RT
 (UG/KG)
 Q

 STRAIGHT-CHAIN ALKANE
 5.70
 5
 J

 UNKNOWN
 19.48
 5
 J

 UNKNOWN
 21.79
 18
 J

File Name:

E0074

E0074

SDG No.:

^{*}Q: Laboratory Qualifier

TETRACHLOROETHENE

SDG: E0074

U.S. STEEL CORP JOLIET WORKS

Site : Lab. : Reviewer :

CEIMIC

Date :

John Walton 06/17/04 Number of Soil Samples: 19 Number of Water Samples: 0

		,								
Sample Number :	E0074		E0075		E0076		E0082		E0083	
Sampling Location :	X117		X111		X113		X129		X126	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/4/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	16:00		08:40		08:40		10:30		11:45	
%Moisture :	9		33		59		13		25	*
pH:	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE		UJ	- 16	UJ 👵	33	UJ	12	UJ	17	UJ
CHLOROMETHANE	10	UJ	16	UJ	33	UJ	12	UJ	17	UJ
VINYL CHLORIDE	10	U	16	U	33	U	12	U	17	U Tell year
BROMOMETHANE	10	U	16	U	33	U	12	U	17	U
CHLOROETHANE	្ត្រ 10	U	16	U.	33	U	12	U	17	U
TRICHLOROFLUOROMETHANE	10	U	3	J	33	Ū	12	U	17	U SASSES
1,1-DICHLOROETHENE	10	U.	16	U	33	U	12	U	17	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	16	U	33	U	12	U	17	U
ACETONE	2	J	16	U	8	Jaka	12	U	17	U
CARBON DISULFIDE	10	U	16	U	16	J	12	U	17	U
METHYL ACETATE	10	UJ	7_16	ບນ	33	UJ	12	ບມີສ	17	UJ
METHYLENE CHLORIDE	10	U	16	U	33	U	12	U	17	U
TRANS-1,2-DICHLOROETHENE	10	Ų	16	U	33	U	12	U	17	U
METHYL TERT-BUTYL ETHER	10	U	16	U	33	U	12	U	17	U
1,1-DICHLOROETHANE	10	U	16	U	33	U 💯	12	U	17	U 1
CIS-1,2-DICHLOROETHENE	10	U	16	U	33	U	12	U	17	II Tankar
2-BUTANONE	10	UJ	16	UJ	33	UJ 🔩	12	UJ	21/2-17	UJ
CHLOROFORM	10	U	16	U	33	U	12	U	17	U CARREST
1,1,1-TRICHLOROETHANE	10	U	- ) + 16	U	<i>- 3</i> 33 € 33	U	12	USS	- 7. S. E. 17	บะส
CYCLOHEXANE	10	U	16	U	33	U	12	U	17	U
CARBON TETRACHLORIDE	10	U	16	U	33	U	12	U	17	U
BENZENE	10	U	16	U	52	7 7 9 200	12	U	17	U .5894.
1,2-DICHLOROETHANE		U	16	U	33	U	. 12	U 🕬	-7.23-317	U
TRICHLOROETHENE	10	U	3	J	33	U	12	U	17	Company (Company)
METHYLCYCLOHEXANE	10	U,	16	ني: `	33	U MARIA	12	U	17	U
1,2-DICHLOROPROPANE	10	U	16	U	33	·U	. 12	U	17	U
BROMODICHLOROMETHANE	. 10	U	16	U		U.	12	-UWW	7	اعتان
CIS-1,3-DICHLOROPROPENE	10	U	16	U	33	U	12	U	17	U
4-METHYL-2-PENTANONE	10	UJ 🐰	16	UJ	.33	UJ	12	UJ	17	บม 🛅
TOLUENE	10	U	16	U	33	U	12	U	17	U
TRANS-1,3-DICHLOROPROPENE	10	U	16	U	33	U	12	υ	100017	ŭ l
1,1,2-TRICHLOROETHANE	10	U	16	U	33	U	12	U	17	ŭ

SDG: E0074

Site : Lab. : U.S. STEEL CORP JOLIET WORKS

Lab.:

CEIMIC

John Walton

Reviewer : Date :

06/17/04

Sample Number :	E0074		E0075		E0076		E0082		E0083	
Sampling Location :	X117		X111		X113		X129		X126	
Matrix:	Soil		Soil	•	Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/4/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	16:00		08:40		08:40		10:30		11:45	
%Moisture :	9		33		59		13		25	
pH:	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	UJ.	16	UJ	-4.33	-UJ Sign		UJ		
DIBROMOCHLOROMETHANE	10	U	16	U	33	U	12	LI	17 17	n n
1,2-DIBROMOETHANE	10	U	16	U	33	U	12	U	17	U
CHLOROBENZENE	10	U	16	U	33	U	12	11	17	. <b>V</b> G#
ETHYLBENZENE	10	U	16	UE	33	U=F	12	U DE	17	υ÷
XYLENES (TOTAL)	10	U	16	U	33	ll	12	U STATE	35.5	i II
STYRENE	10	U	ૂર્ી6	ับ	33	Ü	12	Ü	17	. –
BROMOFORM	10	U	16	U	33	TENERAL	12	S S S S S S S S S S S S S S S S S S S		U
ISOPROPYLBENZENE	: 10	Ū.	16	U	33	U	12	U.S.	17     実験ができます。	U
1,1,2,2-TETRACHLOROETHANE	10	U	16	U	33	11	12	- 11	17	U
1,3-DICHLOROBENZENE	10	Ü	16	U	33		12	U	17	U
1,4-DICHLOROBENZENE	10	U	16	U	33	11	12	. U	225131217	U
1,2-DICHLOROBENZENE	10	ΰ	16	U.	33	U	- 12 - 12	U	17	[ U   407 m :
1,2-DIBROMO-3-CHLOROPROPANE	10	R	16	R	33	R	12		2 2 <u>17</u>	Ŭ.
1,2,4-TRICHLOROBENZENE	10	Ü	16		33		12	R U	17	R

SDG: E0074

Site:

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC John Walton

Date:

06/17/04

Sample Number :	E0084	E0085	E0086	E0086MS	E0086MSD	
Sampling Location:	X126A	X127	X144	X144	X144	
Matrix :	Soil	Soil	Soil	Soil	Soil	
Units:	· ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Date Sampled :	5/5/2004	5/5/2004	5/5/2004	5/5/2004	5/5/2004	
Time Sampled :	11:45	12:30	16:10	16:10	16:10	
%Moisture:	24	8	19	19	19	
pH .	7.0	170	7.0	1 7 0	1	

%Moisture :	24		8		19		19		19		ĺ
pH:	7.0		7.0		7.0		7.0		7.0		
Dilution Factor:	1.0		1.0		1.0		1.0		1.0		l
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	
DICHLORODIFLUOROMETHANE		UJ	10	UJ	10	UJ 😅	12 - 12	U	10 miles (10	U	ĺ
CHLOROMETHANE	16	UJ	. 10	UJ	10	UJ	12	U	10	U	l
VINYL CHLORIDE	16	U	10	U	10	υS	12	יי יי	10	lu -	ļ
BROMOMETHANE	16	U	10	U	10	U	12	U	10	U	
CHLOROETHANE		U		U		U.	12	U	10	United	
TRICHLOROFLUOROMETHANE	16	U	10	U	10	U	12	U	10	U	
1,1-DICHLOROETHENE	16	U	10	U	10	U : 🍇	47		41	1.424	
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	16	U	10	U	10	U	12	U	10	L	
ACETONE	16	υ	10	ט 🧢		U.	4	J Take	3	J	
CARBON DISULFIDE	16	U	10	U	10	U	12	U	10	U	
METHYLACETATE	<i>-</i> 16 16	UJ 🐺	10	UJ 📑	10	UJ⊅®	12	リ論題	10	U	
METHYLENE CHLORIDE	16	U	10	U	10	U	21	U	29	U Takes State	
TRANS-1,2-DICHLOROETHENE	16	U	. 10	ָ ט	10	U	12	U	- 10	U	
METHYL TERT-BUTYL ETHER	16	U	10	U	10	U	12	U	10	U Tokanakies.	
1,1-DICHLOROETHANE	16	υ	10	U	10	U	12 - 12	U-5	10	U	
CIS-1,2-DICHLOROETHENE	16	U	10	U	10	U	12	U	10	U Tarketson	
2-BUTANONE	16	UJ	10	UJ	10	UJ	12	U	10	U	
CHLOROFORM	16	U	10	U	10	U	12	U	10	U	
1,1,1-TRICHLOROETHANE	√. ∴ ∴ 16	UÆ	10	U	10	U **	12	U	10	U	
CYCLOHEXANE	16	υ	10	υ	10	U	12	U	10	U	
CARBON TETRACHLORIDE	. 16	U	10	U	10	U	12	U	10	U	
BENZENE	16	U	10	U	10	U	51	- Megalokin	47	in the second	
1,2-DICHLOROETHANE	16	U	. 10	U	- 10	ប ិទ្ធិធី	12	U	10	U iii.	
TRICHLOROETHENE	16	U	0.7	J	10	U	44		39	Trigitate 2	
METHYLCYCLOHEXANE	16	U	10	U	10	Ü	12	U	10	U	
1,2-DICHLOROPROPANE	16	·Ü	10	U	10	U	12	U	10	U	
BROMODICHLOROMETHANE	-15-16	U .	10	U	10	U	12	Ù	10	U	
CIS-1,3-DICHLOROPROPENE	16	U	10	U	10	U	12	U	10	U	
4-METHYL-2-PENTANONE	16	UJ	10	UJ	10	UJ	12	U -7,597	10	u	
TOLUENE	16	U	10	U	10	U	46	J	42	المنطقة ال	
TRANS-1,3-DICHLOROPROPENE	16	U	10	·u .	10	U Section	12	U	10	ا نظار این	
1,1,2-TRICHLOROETHANE	16	U	10	υ	10	U	12	U	10	Ū	
TETRACHLOROETHENE	16	IJ	10	υJ	10	UJ 💸	12	ירייט		Ū ······	

10

10

10

10 R

10 Ú

U 10

ับั

Case #: 32839

1,1,2,2-TETRACHLOROETHANE

1,4-DICHLOROBENZENE

1,3-DICHLOROBENZENE

1,2-DICHLOROBENZENE

1,2,4-TRICHLOROBENZENE

1,2-DIBROMO-3-CHLOROPROPANE

SDG: E0074

Site: Lab.: U.S. STEEL CORP JOLIET WORKS

Reviewer:

CEIMIC

John Walton 06/17/04

> 16 U

16

16 U

16 R

16

16

Ū

Ū

ີate :

Sample Number :	E0084		E0085		E0086		E0086MS		E0086MSD	
Sampling Location :	X126A		X127		X144		X144		X144	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	11:45		12:30		16:10		16:10		16:10	
%Moisture :	24		8		19.		19		19	
pH:	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	16	IJ	10	UJ	10	UJ		UJ	10	UJ
DIBROMOCHLOROMETHANE	16	U	10	υ	10	U	12	U	10	11
1,2-DIBROMOETHANE	16	- Ü	10	U	10	U	12	U	10	U =
CHLOROBENZENE	16	U	10	U	10	U	43	*-T.SSA 1450	40	
ETHYLBENZENE	16	U	10	U.T.	10	U	,12	ŭ:	10	U
XYLENES (TOTAL)	16	υ	10	U	10	U	12	U	10	11
STYRENE	16	U	10-	<b>DET</b>	10	บร	12	U	10	U.
			to the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the	A CONTRACTOR OF SALES	CONTRACTOR OF THE PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF T	The Thirth Control	AN ALL MANIES AND AND AN ADMINISTRATION OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF T	10年 直接企业	A State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the Sta	· Landing Co.
BROMOFORM	16	U	10	U	10	U	12	lu I	10	1.1
	16 16	U U	10 10	U U	10 10	Ü	12 12	U	10 10	U ŪŠ∜

10 U

10 U

10 U

10

U.

R

10

10 U

10

10 R

10

U 10

Ù....

U

U

Ü

R 12

:12

12 U

SDG: E0074

Site:

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC

John Walton

Reviewer : Date :

06/17/04

Sample Number :	E0087		E0088		E0089		E0090		E0091	
Sampling Location :	X138		X143		X114		X116		X142	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/6/2004		1 " "		" "	
Time Sampled :	14:45		16:50		07:45		5/6/2004		5/6/2004	
%Moisture :	23		28				08:30		09:15	
pH:	7.0		7.0		7.		15		29	
Dilution Factor :	1.0	7	1.0		7.0		7.0		7.0	
Volatile Compound	Result	Flag	Result	I 61	1.0	1 =	1.0	r <del>`</del>	1.0	
DICHLORODIFLUOROMETHANE	Result	UJ		Flag UJ	Result	Flag	Result	Flag	Result	Flag
CHLOROMETHANE	15	UJ	ുട്ട _അ ്13 . 13	UJ	10	UJ	.14	U	14	·U
VINYL CHLORIDE	15	U	e fi sud e confedenci.	U	10	บ บ	14	U	14	U
BROMOMETHANE	15	U	13 13	U	10	- >- 30	14	U	14	U
CHLOROETHANE		U	and the second second	U	10	U	14	U	14	U
TRICHLOROFLUOROMETHANE	15	U See	13	Uz,,,ea U	10	U	14	U	14	. U∉ ₁₈₇
1,1-DICHLOROETHENE	15	Ú dišeli		U S	10 10	U	14	U	14	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	15	U	13	U	10	U	14	U	14	U,
ACETONE	9	J		1		U	14	0 1:11:20/54	14	١ ١
CARBON DISULFIDE	3	13	2	し、自然な J	10 10	U		U	13	J
METHYL ACETATE	15	บป		Ů	10	ָטן פֿוּלֵיניטי	CA CONTROL DESCRIPTION	U	14 14	U U
METHYLENE CHLORIDE	15	U	13	Ü	10	U	<u> </u>	U	14	U
TRANS-1,2-DICHLOROETHENE	15	U	13	U	10	U	14	U.C.		U
METHYL TERT-BUTYL ETHER	15	U	13	IJ	10	U	14	U	14 14	U
1,1-DICHLOROETHANE	15	Ú TOŽ	13	u m	10		14	U	14	U
CIS-1,2-DICHLOROETHENE	15	U	13	Ü	10	U	14	U	14	U
2-BUTANONE	√, 1315	υJ	1.7 1.15	J j		บม	14	U.	2	Jaga
CHLOROFORM	15	U	13	υ	10	U VANCO	14	U	14	U
1,1,1-TRICHLOROETHANE	15	U	13	U 🚉	- 7 10	U	14	U	14	U
CYCLOHEXANE	15	U	3	J	10	U	14	U	14	U Salaria
CARBON TETRACHLORIDE		U	13	U	10	U	14	u Ti	14	U.
BENZENE	15	U	2	J	10	Ū	14	U	14	U
1,2-DICHLOROETHANE	7 15	Ü	13.	U	10	USE	14	υ 📆	14	บริกิ
TRICHLOROETHENE	15	U	1	J	10	U	14	U	14	U
METHYLCYCLOHEXANE	15	U	12	J	10.	U	14	U.	14	U
1,2-DICHLOROPROPANE	15	U.	13	Ü	_. 10	U	14	U	14	U
BROMODICHLOROMETHANE	15	U	. 13	U -	10	U	14.	U	14	U
CIS-1,3-DICHLOROPROPENE	15	U	13	U	10	U	14	U	14	U
4-METHYL-2-PENTANONE	15	UJ	. 13	UJ	10	UJ	11-11-14	U		U.
TOLUENE	15	Ų	4	J	10	U	14	U	14	U
TRANS-1,3-DICHLOROPROPENE	15	U	13 ±013	U	£10	U	14	UTT	14	U -
1,1,2-TRICHLOROETHANE	15	U	18		10	U	14	Մ I	14	U
TETRACHLOROETHENE	15	UJ	13	UJ	10	บัง	14	U	14	U

SDG: E0074

Site:

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC

John Walton

ੋ'ate :

06/17/04

	T====		Y						<del></del>	
Sample Number :	E0087		E0088		E0089		E0090		E0091	
Sampling Location :	X138		X143		X114		X116		X142	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/6/2004		5/6/2004		5/6/2004	l
Time Sampled :	14:45		16:50		07:45		08:30		09:15	
%Moisture :	23		28		7		15		29	i
pH:	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	1
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	15	UJ	54	J	10	UJ	- 14	UJ	14	UJ
DIBROMOCHLOROMETHANE	15	U	13	U	10	U	14	U	14	U
1,2-DIBROMOETHANE	15	U	13	U	10	U	=======================================	Ú	14	u
CHLOROBENZENE	15	U	13	U	10	U	14	U	14	U
ETHYLBENZENE	15	U	3	Jak	10	Ü	14	Ú.	14	U and
XYLENES (TOTAL)	15	U	14		10	U	14	U	14	U
STYRENE	15	Ü	4.13	Ù.	10	USA	. 14	U	14	Ū
BROMOFORM	15	U	13	U	10	U	14	U	14	U
ISOPROPYLBENZENE	15	י יי	21	Line and the second	10	u. S	14	U	14	
1,1,2,2-TETRACHLOROETHANE	15	U .	13	U	10	U	14	U	14	U
1,3-DICHLOROBENZENE	15	U	13	U.	10	UZP	14	UNIO	14	U
1,4-DICHLOROBENZENE	.15	U	13	U	10	U	14	U	14	H H
1,2-DICHLOROBENZENE	15	U	13	Ű.	10	U	14	U	14	u St
1,2-DIBROMO-3-CHLOROPROPANE	15	R	13	R	10	R	14	R	14	R
1,2,4-TRICHLOROBENZENE	15	Ü	000 000 000 000 000 000 000 000 000 00	Ü	10	Ü	14		14	<u></u>

SDG: E0074

Site: Lab. : U.S. STEEL CORP JOLIET WORKS

CEIMIC

Reviewer: John Walton Date: 06/17/04

Sample Number :	E0092		E0093		E0094		E0095		E0096	
Sampling Location :	X140		X133	F	X134		X135		X112	1
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004		5/6/2004		5/6/2004	l
Time Sampled :	09:45		10:30		11:05		12:05		13:50	l
%Moisture :	37	į	22		24		30		34	
pH:	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	I
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	18	U	,13	U	15	U	15	U	17	U
CHLOROMETHANE	18	U	13	u	15	U	15	U	17	U
VINYL CHLORIDE	18	U	13	U	15	U	15	U	17	U
BROMOMETHANE	18	U	13	U	15	U	15	U	17	U
CHLOROETHANE	18	U.	13	U	15	U	.15	U :	17	U
TRICHLOROFLUOROMETHANE	18	U	13	U	15	U	15	U	17	U
1,1-DICHLOROETHENE	18	<b>U</b> ° ⇒c	13	U	15	U	₩, == €15	U	17	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	18	U	13	U	15	U	15	U	17	U
ACETONE	20	4,4	11	J	62		110		100	1000
CARBON DISULFIDE	18	U	13	U	4	J	3	j	2	J
METHYL ACETATE	18 ± 18	Uţ	: 13	U	15	U	15.	U	17	Ù.
METHYLENE CHLORIDE	55 	U	13	U	15	U constru	15	U	17	υ
TRANS-1,2-DICHLOROETHENE	18	U	13	U	15	Ū s	15	U	17.	ָּרַ ט
METHYL TERT-BUTYL ETHER	18	U	13	U	15	U	15	U	17	U
1,1-DICHLOROETHANE	18	U	13	U	15	U San	15	U	17	U
CIS-1,2-DICHLOROETHENE	18	U	13	U	15	U	15	U	17	U
2-BUTANONE	3	J	2	J m	20	A. F. ACRES	35	organica.	30	7.15-10 Be
CHLOROFORM	18	U	13	U	15	U	15	U	17	U
1,1,1-TRICHLOROETHANE CYCLOHEXANE		U	13	U'G		U E	15	U	.17	U
CARBON TETRACHLORIDE	13	, I	13	· ·	15 	U H SES	15	U	17	U
BENZENE	18	U	13	U	15	2.00	15	Land St.	17	U Section
1,2-DICHLOROETHANE	18	U	13	U	15	U	15	U	17	U
TRICHLOROETHENE	18	U	13 13	U	13. <u>Janua</u> 15	U.	15	U		U
METHYLCYCLOHEXANE				U.***.*	15	U	15	U	17	U
1,2-DICHLOROPROPANE	90	U	13 13	U	15 15	U	15	Ú	7	
BROMODICHLOROMETHANE	18	4.075	13	u ·	1. North Calledge Street et al.	· · · · · · · · · · · · · · · · · · ·	15	U	17	U
CIS-1,3-DICHLOROPROPENE	18	U	13	U U	15 15	U Jak	15   15	U 334	17	U
4-METHYL-2-PENTANONE	ूर्व ी 18	Ü	13	Ü -	15	II SEE	15	ָט ע	17	10
TOLUENE	18	Ü	13	U	15	U	15	U	17	U
TRANS-1,3-DICHLOROPROPENE	18	ŭ	13	ŭ	5. 15. 15		15	U Ž	17	U
1,1,2-TRICHLOROETHANE	150	_	2	,	15	U. A. Salah	15	U Washington	17	U
TETRACHLOROETHENE	18	ן י י	13	្រ ⊹ន	15	u agal	15	U ·	17   17   10   10   10   10   10   10   10	U
	10 1		13 ]	J	19	U - AA	15	U	17	U

SDG : E0074

Site :

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC

John Walton

ີ ate :

06/17/04

Sample Number :	E0092		E0093		E0094		E0095	<del></del>	E0096	
Sampling Location :	X140		X133		X134		X135		X112	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	09:45		10:30		11:05		12:05		13:50	
%Moisture :	37		22		24		30		34	
pH:	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	- 7 - 93	J	13,	์เปม⊭่อส	-73 (19215)	UJ	15	UJ	38.5 3 17.	UJ
DIBROMOCHLOROMETHANE	18	U	13	U	15	U	15	U	17	U
1,2-DIBROMOETHANE	18	υ	13	່ບໍ່	15	U	15	Ų?	17	υ
CHLOROBENZENE	18	U	13	U U	15	n Company	15	U	nakistanas (ili.ght) i 17	U
ETHYLBENZENE	18	Ü	13.	ប៉ុះ្លែ	15	U	15	U	ر 17	Ü
XYLENES (TOTAL)	18	U	13	U	15	U U	15	n Temp	17	U
STYRENE	· 18	υ"	13	U	<b>7</b> 75	U		U	17	U
BROMOFORM	18	U	13	U	15	U	15	II In the second	17	U
ISOPROPYLBENZENE	2	J	13	U	15	USE	15	Ů	255-22	
1,1,2,2-TETRACHLOROETHANE	18	U	13	U	15	III	15	III	17	11
1,3-DICHLOROBENZENE	. 18.	Ü.	13	Ü	15	Ū	¥8215	Ü	17	11563
1,4-DICHLOROBENZENE	18	U	13	U	15	U	15	TELESCOPE 11	17	U
1,2-DICHLOROBENZENE	18	Û	13	Ū	15	UEN	15	U	75-1972 Nov. 17	H Cont
1,2-DIBROMO-3-CHLOROPROPANE	18	R	13	R	15	R	15	R	17	R
1,2,4-TRICHLOROBENZENE	18	บันได้	13	U	TEN 3 15	Ü	15	10.000	사용하다(17 사용하다(17)	U

SDG: E0074

Site:

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer CEIMIC

Reviewer : Date : John Walton 06/17/04

Sample Number :	E0097		VBLKOQ		VBLKOR	***	VBLKOU		VHBLK01	···
Sampling Location :	X130		Viscot		, DEROR		DEROO		VIIBEROI	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		L L L L L L L L L L L L L L L L L L L	•	ug/Ng		ugrity		ug/Ng	
Time Sampled :	14:25							1		
%Moisture :	53		N/A		N/A		N/A		0	
pH:	7.0				1000				7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	15	U Ja	.10	UJ	3044 - 10	U	- 412 410	U	- 410	U
CHLOROMETHANE	15	U	10	บม	10	U	10	U	10	U III
VINYL CHLORIDE	15	U	<b>10</b>	U	10	U	10	U	10	U
BROMOMETHANE	15	U	10	U	10	U	10	U	10	U
CHLOROETHANE	15	U	- 10	U	- 10	U	10	.u 🚉	10	U
TRICHLOROFLUOROMETHANE	15	U	10	U	10	U	10	UJ	10	UJ
1,1-DICHLOROETHENE	15	U	10	U	10	U	10	UEE	10	U : .
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	15	U	10	U	10	U	10	U	10	U
ACETONE	. 17		10	U 🧷	10	U	10	U	10	U
CARBON DISULFIDE	7	J	10	U	10	U	10	U	10	U
METHYL ACETATE	15	U	10	UJ	. 10	U	10	U	10	U
METHYLENE CHLORIDE	15	U	7	J	5	J	7	J	10	U
TRANS-1,2-DICHLOROETHENE	្នា 15	υ	10	U	10	U	10	U	. 10	U
METHYL TERT-BUTYL ETHER	15	U	10	υ	10	U	10	U	10	U
1,1-DICHLOROETHANE	15	U "	10	U	10	U	10	ับ ""	10	U
CIS-1,2-DICHLOROETHENE	15	υ	10	U	10	U	10	U	10	U
2-BUTANONE	5	J	10	UJ .		U	10	บ	10	U
CHLOROFORM	15	U	10	U	10	U	10	υ	10	U
1,1,1-TRICHLOROETHANE	15	U		U	10	U	10	U	10	U
CYCLOHEXANE	15	U	10	U	10	U	10	υ	10	U
CARBON TETRACHLORIDE	15	U	10	U		U. 26%	10	U saiz	10	U
BENZENE	15	U	10	U	10	U	10	U	10	U
1,2-DICHLOROETHANE	15	υ	10	U	- 10	U	10	U	10	U
TRICHLOROETHENE	15 -	U	10	U	2 1. 1966 9000 1000 1	ا الاعتبادة ال	2	J	10	Ü
METHYLCYCLOHEXANE	15	U.	10	U	10	U T	10	ń "	10	U
1,2-DICHLOROPROPANE	15	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHANE	15	U	The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th	U	10	U	10	U	10	U
CIS-1,3-DICHLOROPROPENE	15	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE TOLUENE	15	U	10	UJ	10	U		U	10	U
TRANS-1,3-DICHLOROPROPENE	15	U	10	U	10	U	10	U	1	j
1,1,2-TRICHLOROPROPENE  1,1,2-TRICHLOROETHANE	15	U	10	U	10	U	10	UFE	10	U .
TETRACHLOROETHANE	15   15	U	10	U.	10	U	10	U	10	U.
TETRACHEOROETHENE	15]	U	10	'nJ	10	U	10 × 10	υ	10	U

SDG: E0074

Site:

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC

Date:

John Walton

9: 06/17/04

Sample Number :	E0097		VBLKOQ		VBLKOR		VBLKOU		VHBLK01	
Sampling Location :	X130									
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004									
Time Sampled :	14:25					•			İ	
%Moisture :	53		·N/A		N/A		N/A		0	
pH:	7.0								7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	15	บบ	10	UJ		UJ -	10 Telephone	U	10	U
DIBROMOCHLOROMETHANE	15	U	10	U	10	U	10	U	10	υ
1,2-DIBROMOETHANE	15	Ü	/ 10	Û	10	U	10	UNE	10	U
CHLOROBENZENE	15	U	10	U	10	U	10	U	10	U
ETHYLBENZENE	15	U	- 10	'U 💮	10	u.	10	U	10	<b>U</b>
XYLENES (TOTAL)	15	U	10	Ų	10	U	10	U	10	U
STYRENE	15	U.S.	10	U	-10	UZZ		UES	10	U
BROMOFORM	15	U	10	U	10	U	10	U	10	U
ISOPROPYLBENZENE	15	Ú	10	Ü	10.	U.	10	υ: ji	10	υ
1,1,2,2-TETRACHLOROETHANE	2	J	10	U	10	U	10	U	10	U
1,3-DICHLOROBENZENE	15	U	10	υ	10	U	10	U	10	U
1,4-DICHLOROBENZENE	15	U	10	U	10	U	10	U	10	U
1,2-DICHLOROBENZENE		U.	<b>3.10</b>	U	10	U.	10	U	10	้น
1,2-DIBROMO-3-CHLOROPROPANE	15	R	10	R	10	R	10	R	10	R
1,2,4-TRICHLOROBENZENE	15	U	10	Û	10	U	10	Ü-	10	U

SDG: E0074

Site : Lab. : U.S. STEEL CORP JOLIET WORKS

Reviewer:

CEIMIÇ John Walton

Date:

06/17/04

Number of Soil Samples: 19 Number of Water Samples: 0

Sample Number :	E0074	****	E0075		E0076		E0082		Transa	
Sampling Location :	X117		X111		X113		X129		E0083	
Matrix:	Soil		Soil		Soil		Soil		X126	
Units:	ua/Ka		ug/Kg		ug/Kg				Soil	
Date Sampled :	5/4/2004		5/5/2004		5/5/2004		ug/Kg		ug/Kg	
Time Sampled :	16:00		08:40				5/5/2004		5/5/2004	
%Moisture :	16.00		29		08:40		10:30		11:45	
pH:	8.6		I		19		11		23	
Dilution Factor :	1.0		6.4 1.0		4.0		9.4	-	5.0	
Semivolatile Compound			ļ		5.0	T =:	1.0	1 =	5.0	
BENZALDEHYDE	Result 390	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
PHENOL	390	U	460	U	2000	U. Sala	11000	UJ	2100	U.
BIS-(2-CHLOROETHYL)ETHER		ן ט   נייאנו	460	U H A	2000	U	11000	U	2100	U
2-CHLOROPHENOL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ا ت	460	`	2000	U:	11000	U .	2100	U
2-METHYLPHENOL	390	U	460	U	2000	U	11000	U	2100	U
	390	U	460	U	2000	U	11000	U	2100	U
2,2'-OXYBIS(1- CHLOROPROPANE)	390	U	460	U	2000	UJ	11000	U	2100	U
ACETOPHENONE	390	U	460	U	2000	U	11000	U	2100	U
4-METHYLPHENOL	390	U	460	U	2000	U	11000	U	2100	U
N-NITROSO-DI-N PROPYLAMINE	390	U	460	U	2000	U	11000	U	2100	U
HEXACHLOROETHANE	390	U	460	U .	2000	U	11000	U	2100	U
NITROBENZENE	390	U	460	U	2000	U	11000	U	2100	U
ISOPHORONE	390	U	460	U	2000	U	11000	U	2100	U
2-NITROPHENOL	390	U.	460	U	2000	U	11000	U	2100	υ
2,4-DIMETHYLPHENOL	390	U	460	U	2000	U	11000	U	2100	U
BIS(2-CHLOROETHOXY)METHANE	390	U	460	U	2000	ט 🏥	11000	U	2100	U
2,4-DICHLOROPHENOL	390	U	460	U	2000	υ	11000	U	2100	υ
NAPHTHALENE	390	U.	,,	J	, _{5.71} 5900	304	11000	U	್ಷಕ್ಟ್ನ್ಸ್ಟ್ 500	J.,
4-CHLOROANILINE	390	U	460	U	460	J	11000	υ	2100	U
HEXACHLOROBUTADIENE	/390	U	± , <b>46</b> 0	U	2000	U 🥞	11000	U	2100	U
CAPROLACTAM	390	Ŭ,	460	U	2000	U	11000	U	2100	U
4-CHLORO-3-METHYLPHENOL	390	U	460	U	2000	U 💥	11000	U	2100	U -
2-METHYLNAPHTHALENE	390	U	460	U	860	J	11000	U	600	J
HEXACHLOROCYCLO-PENTADIEN	390	U	460	U	2000	UJ	11000	U	2100	U
2,4,6-TRICHLOROPHENOL	390	Ų ]	460	U -	2000	U	11000	U	2100	U
2,4,5-TRICHLOROPHENOL	980	U	1200	U	5100	U	28000	U	5400	U
1,1'-BIPHENYL	390	U	460	U	970	J	11000	U	2100	U
2-CHLORONAPHTHALENE	390	U	460	U	2000	U	11000	U	2100	U
2-NITROANILINE	980	U	1200	U	5100	U	28000	U	5400	U
DIMETHYLPHTHALATE	390	U	460	U	2000	Ų	11000	U .	2100	Ū.
2,6-DINITROTOLUENE	390	U	460	U	2000	U	11000	U	2100	Ü
ACENAPHTHYLENE	390	U .	.49	J	2000	U	11000	U	2100	υ I
3-NITROANILINE	980	U	1200	U	5100	U	28000	Ü	5400	U
ACENAPHTHENE	390	U	460	U	2000	ט 🧢	11000	υ	2100	U

SDG: E0074

Site : Lab. : U.S. STEEL CORP JOLIET WORKS

Reviewer :

CEIMIC John Walton

Sample Number :	E0074		E0075		E0076		E0082		E0083	
Sampling Location :	X117	ļ	X111		X113		X129		X126	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/4/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	16:00		08:40		08:40		10:30		11:45	
%Moisture :	16	ļ	29		19		11		23	
pH:	8.6	ļ	6.4		4.0	I	9.4		5.0	
Dilution Factor :	1.0		1.0		5.0	ļ	1.0		5.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	980	U	1200 غيرة الم	U Sy	5100	U	28000	U.	5400	U
4-NITROPHENOL	980	U	1200	U	5100	UJ	28000	U	5400	U
DIBENZOFURAN	390	U	460	U	1200	J	11000	U	490	J
2,4-DINITROTOLUENE	390	U	460	U	2000	U	11000	U	2100	U
DIETHYLPHTHALATE	390	U	460	U	2000	UES	11000	U.E.	2100	U
FLUORENE	390	U	460	U	2000	U	11000	U	2100	U
4-CHLOROPHENYL-PHENYL ETHER	390	U	460	U	2000	U	11000	U	2100	U
4-NITROANILINE	980	U	1200	υ	5100	U	28000	U	5400	U
,4,6-DINITRO-2-METHYLPHENOL	980	U .	1200	U	5100	U	28000	U	5400	U.
N-NITROSO DIPHENYLAMINE	390	U	460	U	2000	U	11000	U	2100	U
4-BROMOPHENYL-PHENYLETHER	390	U	460	U	2000	U	11000	ປ້	2100	U
HEXACHLOROBENZENE	390	U	460	U	2000	U	11000	U	2100	U
ATRAZINE	390	U	460	U	2000	U 🚉	1,1000	U	2100	U.
PENTACHLOROPHENOL	980	U	1200	U	5100	υJ	28000	U	5400	U
PHENANTHRENE	190	J. S.	360	J	5700	المادية المادية المادية المادية المادية المادية المادية المادية المادية المادية المادية المادية المادية المادي المادية المادية المادية المادية المادية المادية المادية المادية المادية المادية المادية المادية المادية المادية	11000	U	2600	14-40000.
ANTHRACENE	390	U' ,	51	J	1000	J	11000	U	2100	U
ARBAZOLE	390	U 🚉	460	U	520	J	11000	Ū.	2100	U
JI-N-BUTYLPHTHALATE	390	U	460	U	2000	U	11000	U	2100	U
FLUORANTHENE	370	J	1700		13000		1400	J	660	J
PYRENE	310	J	840		9100	1 1	1700	J	410	J
BUTYLBENZYLPHTHALATE	390	U	460	U	2000	UJ	11000	U 🎨	2100	U
3,3'-DICHLOROBENZIDINE	390	U	460	U	2000	l U	11000	U	2100	U
BENZO(A)ANTHRACENE	200	J	460	1.11	7900		11000	U	220	J. Jakan
CHRYSENE	270	J	1100		13000		1700	J	250	J
BIS(2-ETHYLHEXYL)PHTHALATE	150	ا الله	290	J	2000	ับป	53 11000	U	2100	U
DI-N-OCTYLPHTHALATE	390	U	460	U	2000	ΟĴ	11000	U	2100	U
BENZO(B)FLUORANTHENE	550	1 1 1 1 1 1	1600		5300	The second	1800	J	2100	U
BENZO(K)FLUORANTHENE	290	J	590	J	6300	J	1300	J	2100	U
BENZO(A)PYRENE	190	j.	300	J	1900	J. Et	1200	J	2100	U ,
INDENO(1,2,3-CD)-PYRENE	86	J	310	J	7800	J	11000	U	2100	U
DIBENZO(A,H)-ANTHRACENE	390	U	.52	J 💮	1900	J. Carlo	11000	U 👯	2100	U 🛴
BENZO(G,H,I)PERYLENE	110	i J	360	1 1	8300	1	11000	U	2100	Ü

#### Analytical Results (Qualified Data)

Case #: 32839

SDG: E0074

Site:

Date:

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC John Walton

Sample Number :	E0084		E0085		E0086		E0086MS		E0086MSD	
Sampling Location :	X126A		X127		X144		X144		X144	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	11:45		12:30		16:10		16:10		16:10	
%Moisture :	24		14		17		17		17	
pH:	5.4		8.1		7.7		7.7		7.7	
Dilution Factor :	5.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	2200	U	380	U	400	U	390	U	390	U
PHENOL	2200	υ	380	U	400	U	1700		1800	
BIS-(2-CHLOROETHYL)ETHER	2200	U	380	U	400	U SE	390	U	390	U
2-CHLOROPHENOL	2200	U	380	U	400	U	1500		1800	
2-METHYLPHENOL	2200	U	380	U	400	U	390	U	390	U
2,2'-OXYBIS(1- CHLOROPROPANE)	2200	υ	380	UJ	400	U	390	U	390	U
ACETOPHENONE	2200	U	380	U	400	U	390	U .	390	U
4-METHYLPHENOL	2200	U	380	U	400	U	390	U	390	U
N-NITROSO-DI-N PROPYLAMINE	2200	U	380	U	400	υ÷	950		1100	
HEXACHLOROETHANE	2200	υ	380	U	400	U	390	U	390	U
NITROBENZENE	2200	U	380	U	400	υ	390	U	390	υ
ISOPHORONE	2200	ΰ	380	υ	400	U .	390	υ	390	U
2-NITROPHENOL	2200	υ	380	υ 🧵	400	U	390	U · S ·	390	U
2,4-DIMETHYLPHENOL	2200	U	380	Ų	400	U.	390	U	390	υ
BIS(2-CHLOROETHOXY)METHANE	2200	υ	380	U :	400	U	390	U	390	U
2,4-DICHLOROPHENOL	2200	U	380	U	400	U	390	U	390	U
NAPHTHALENE	490	J	380	U	530	A STATE	230	J	270	j
4-CHLOROANILINE	2200	U	380	U	400	U	390	U	390	U
HEXACHLOROBUTADIENE	2200	U	380	U	400	י ט 🎎	390	U T	390	U
CAPROLACTAM	580	J	380	U	400	U	390	U	390	U
4-CHLORO-3-METHYLPHENOL	2200	U	380	U	400	U	1900	Similar Sila	1800	
2-METHYLNAPHTHALENE	660	J	160	J	220	J	72	J	94	J
HEXACHLOROCYCLO-PENTADIEN	2200	υ	380	UJ	400	U	390	U	390	U
2,4,6-TRICHLOROPHENOL	2200	U	. 380	U	400	U	390	U	390	U
2,4,5-TRICHLOROPHENOL	5400	U	950	U	1000	U ~~	990	U	980	υ
1,1'-BIPHENYL	2200	U	380	U	80	J	59	j	40	J
2-CHLORONAPHTHALENE	2200	Ų	380	U	400	U	390	U	390	U
2-NITROANILINE	5400	U	950	U	1000	U	990	U	980	U
DIMETHYLPHTHALATE	2200	U	380	U	400	U	390	U	390	υ
2,6-DINITROTOLUENE	2200	U	380	U	400	υ	390	U	390	Ų
ACENAPHTHYLENE	2200	Ų	170	J	53	J. J.	390	U	390	U
3-NITROANILINE	5400	U	950	U	1000	U	990	U	980	Ü
ACENAPHTHENE	2200	υ	130	j	100	J 50	1400	'	1300	

SDG: E0074

Site : Lab. : U.S. STEEL CORP JOLIET WORKS

Reviewer:

CEIMIC

John Walton

רate :

DIETHYLPHTHALATE	10	T :		<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>							
Marrix   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil   Soil	· ·					1		E0086MS		E0086MSD	
Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Disagraphy   Dis	1 ' "	1				X144		X144		X144	
Date Sampled :		1		Soil	•	Soil		Soil		Soil	
Discriming Sampled:   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004   515/2004				ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Moisture   24	1	1		5/5/2004		5/5/2004		5/5/2004			
Modeline   24	1			12:30		16:10		16:10		16:10	
Pit   Dilution Factor	1	]		14		17		17		17	
Dilution Factor	1 '	1		8.1		7.7		7.7		1	
Semiolatile Compound		5.0		1.0		1.0		1,0		i i	
2.4-DINTROPHENOL		Result		Result	Flag	Result	Flag	Result	Flag		Flag
4-NITROPHENOL   5400   U   950   UJ   1000   U   1900   1800		5400	U	950	U	1000	U. S.	990	1		
DIBENZOFURAN	1		U	950	UJ	1	U	1 2 2 2 2 2 2 2 2	The shade		
24-DINITROTOLUENE   2200   U   380   U   400   U   1400   1300   U   1400   DIETHYLPHTHALATE   2200   U   380   U   4400   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   4-DIETHYLPHENYL ETHER   2200   U   380   U   400   U   390   U   390   U   390   U   390   U   390   U   4-DIETHYLPHENYL ETHER   2200   U   380   U   400   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U		590	J	170	Jigha	300	J	Charles Co. Co.	14033	the second second	1.
DIETHYLPHTHALATE		2200		380	U	The second section of the second	U	W		* * **********************************	y whi
FLUORENE  2200 U 330 U 330 U 330 U 330 U 330 U 330 U 330 U 340 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 350 U 3		2200	U	380	U	400	lu 💥	A Sec. Tables for a	:11:	Colores - man	lan estat.
A-CHLOROPHENYL-PHENYL ETHER   2200   U   380   U   400   U   390   U   390   U   390   U   390   U   4.0   INTROANILINE   5400   U   950   U   1000   U   960   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U   980   U	1.	2200		230	J	- ARTHUR 12 15 15 15 15 15 15 15 15 15 15 15 15 15	-with the state of			the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
A-B-INITRO-2-METHYLPHENOL		2200	U	380	TUT SEE	400	'U'\$	s distribution and the second	50.00	ANTHARAS IN ARTHUR AND ARE	g -
A-B-DINITRO-2-METHYLPHENOL   5400   U   9500   U   9900   U   9900   U   9800   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   3900   U   39		5400	U	950	υ	1386.000		A TO THE STATE A VINCTURE (		- managemental at 12 to	
N-NITROSO DIPHENYLEHIRE		5400	U	950	U	A CONTRACTOR AND CONTRACT	1 -	Colored andrews		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	-
4-BROMOPHENYL-PHENYLETHER		2200	U	380		144 20 114 114 114 114 114	14.11.1003104	A MUNICIPALITY OF SERVICE AND ADDRESS OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE		. A. San Hill content of the content of	
ATRAZINE 2200 U 380 U 400 U 390 U 390 U 390 U 390 U 960 PENTACHLOROPHENOL 5400 U 950 UJ 1000 U 720 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 770 J 7	4-BROMOPHENYL-PHENYLETHER	2200	U	380	י ט				-	The state of the between the con-	
ATRAZINE	HEXACHLOROBENZENE		Ų	380	U	the second distriction of		· Schalebooks	الشاهدة	PARTITION PROPERTY TO THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF THE PARTITION OF T	a committee
PENTACHLOROPHENOL   5400   U   950   UJ   1000   U   720   J   770   J   J   J   J   J   J   J   J   J			U	100000000000000000000000000000000000000	U "	Lat 18th conference in the	the page of	and a supplementation of a supplementation of	14-8/2007/7877	a American Springer	1
PHENANTHRENE   3400		5400	U		And the second	1 - The same desired factor as a second			- 14 Time (22)		
ANTHRACENE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (RBAZOLE (	PHENANTHRENE	3400	500	1500	5 V. 6.	and a second second second		CONTRACTOR CONTRACTOR STORY		CONTRACTOR AND SOME	Service and the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the servi
RBAZOLE			U			· Disease were figures . D.		AND SEPTEMBER OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY	Sales Sales	Charles Sant San Santa San San San San San San San San San Sa	II.
FLUORANTHENE 840 J 1700 820 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U	\RBAZOLE	2200	U .	130	J	That is a stort quarter		71 32 (Administration )		Local Physics Comprehension 1	J T. Sesses
FLUORANTHENE	√I-N-BUTYLPHTHALATE	2200	U	to the bear and bearing	U	The said of Grander Programs					
BUTYLBENZYLPHTHALATE 33.3-DICHLOROBENZIDINE BENZO(A)ANTHRACENE CHRYSENE BIS(2-ETHYLHEXYL)PHTHALATE BENZO(B)FLUORANTHENE BENZO(K)FLUORANTHENE BENZO(K)FLUORANTHENE BENZO(K)PYRENE BENZO(A)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)PYRENE BENZO(B)P	FLUORANTHENE	840	j	1 many 1, 100	J. 195	1975 - 1994 - 1994	1 - 1	I SHAREST TO THE STATE OF	1 U		
BUTYLBENZYLPHTHALATE 3,3'-DICHLOROBENZIDINE 2200 U 380 UJ 400 U 390 U 390 U BENZO(A)ANTHRACENE CHRYSENE 330 J 1300 540 370 J 260 J BIS(2-ETHYLHEXYL)PHTHALATE DI-N-OCTYLPHTHALATE 2200 U 380 UJ 400 U 390 U 390 U BENZO(B)FLUORANTHENE 2200 U 380 UJ 400 U 390 U 390 U BENZO(K)FLUORANTHENE 2200 U 940 J 400 U 390 U 390 U BENZO(K)FLUORANTHENE 2200 U 940 J 400 U 390 U 390 U BENZO(A)PYRENE 2200 U 870 INDENO(1,2,3-CD)-PYRENE 2200 U 710 DIBENZO(A,H)-ANTHRACENE 2200 U 330 J 320 J 320 J 270 J BENZO(G,H,I)PERYLENE 2200 U 330 J 400 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U	PYRENE		j	A Comment of the State of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Commen		and the second	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	www.hinchiery	The case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the ca	and the second
BENZO(A)ANTHRACENE   250    J   860    430    330    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250    J   250	BUTYLBENZYLPHTHALATE	2200	U		U.I	COMMON A SECTION	1100	to a filter angent.	57.54	Elizabeth Committee	
BENZO(A)ANTHRACENE		2200	U	1-11 Str 5		- 33.3A.		The Residence of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property		The second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sect	
CHRYSENE         330         J         1300         540         370         J         260         J           BIS(2-ETHYLHEXYL)PHTHALATE         2200         U         380         UJ         1075         J         66         J         53         J           BENZO(B)FLUORANTHENE         2200         U         1000         830         UJ         400         U         390         U         390         U           BENZO(K)FLUORANTHENE         2200         U         940         J         400         J         320         J         200         J           BENZO(A)PYRENE         2200         U         870         540         350         J         270         J           DIBENZO(A,H)-ANTHRACENE         2200         U         330         J         400         U         390         U         390         U           BENZO(G,H,I)PERYLENE         2200         U         710         400         U         390         U         390         U	BENZO(A)ANTHRACENE	250	J	860		23.35	- 1000	and the same of the	-	- Sectional Control	
BIS(2-ETHYLHEXYL)PHTHALATE   2200 U 380 UJ 400 U 390 U 390 U 390 U 8ENZO(B)FLUORANTHENE   2200 U 940 J 400 J 320 J 200 J 8ENZO(A)PYRENE   2200 U 870   100   140 J 71   159 J 19   159 J 19   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150	—	330	j	refragilia berra	*	All models (c)	in its risea	FORMA AREAM, 2011	to the season and	· · · · · · · · · · · · · · · · · · ·	' "
DI-N-OCTYLPHTHALATE   2200   U   380   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   390   U   3	BIS(2-ETHYLHEXYL)PHTHALATE	2200	υ	to the most execute	11.1		· · · · · · · · · · · · · · · · · · ·	former as transmissioners in prog	1.0000000	A	j
BENZO(B)FLUORANTHENE         2200         U         1000         830         510         460           BENZO(K)FLUORANTHENE         2200         U         940         J         400         J         320         J         200         J           BENZO(A)PYRENE         2200         U         870         540         350         J         270         J           INDENO(1,2,3-CD)-PYRENE         2200         U         710         140         J         71         J         59         J           DIBENZO(A,H)-ANTHRACENE         2200         U         330         J         400         U         390         U         390         U         390         U			U		~ ~		159,66	TO AME STATES AND		1.7 T T L L T L L L L L L L L L L L L L L	J .
BENZO(K)FLUORANTHENE         2200         U         940         J         320         J         200         J           BENZO(A)PYRENE         2200         U         870         540         350         J         270         J           INDENO(1,2,3-CD)-PYRENE         2200         U         710         140         J         71         J         59         J           DIBENZO(G,H)-ANTHRACENE         2200         U         330         J         400         U         390         U         390         U           BENZO(G,H,I)PERYLENE         2200         U         710         460         U         390         U         390         U	BENZO(B)FLUORANTHENE	2200	u i		00	e in Sara Asi			-	1.2	U
BENZO(A)PYRENE   2200 U 870   320 J 200 J   100 NO NO NO NO NO NO NO NO NO NO NO NO NO			U I		, [	Contracted a character	- Casilii			460	1
INDENO(1,2,3-CD)-PYRENE   2200 U   710   140 J   71 J   59 J   270 DIBENZO(A,H)-ANTHRACENE   2200 U   330 J   400 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U   390 U	BENZO(A)PYRENE		· 1	5 49	ĭ	and the state of	J 1, 1	1	J		J
DIBENZO(A,H)-ANTHRACENE 2200 U 330 J 400 U 390 U 390 U 390 U						The result of the Company	200		1	270	J
BENZO(G,H,I)PERYLENE 2200 U 710			- 1		, ]		.		-		J
150 J 73 J 61 J		11 Car -		- [	٠	7 AO 15 C	- 12/0		U	i i	U
	1			710		150	J	73		61	J

Case #: 32839

SDG: E0074

Site: Lab.: U.S. STEEL CORP JOLIET WORKS

Reviewer: Date :

CEIMIC John Walton 06/17/04

Consider Management	E0007		T ========		T		1			
Sample Number :	E0087		E0087MS		E0087MSD		E0088		E0089	
Sampling Location :	X138		X138		X138		X143		X114	
Matrix:	Soil		Soil		Soil		Soil		Soil	•
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/5/2004		5/5/2004		5/6/2004	
Time Sampled :	14:45		14:45		14:45		16:50		07:45	
%Moisture :	27		27		27		22		6	
pH:	7.1		7.1		7.1		5.9		8.0	
Dilution Factor :	1.0		1.0		1.0	<del>,</del>	10.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	14000	υJ	11000	n) 💒	14000	UJ	110000	UJ	350	U
PHENOL	14000	U	52000		62000		110000	U	350	U
BIS-(2-CHLOROETHYL)ETHER	14000	U	11000	U	14000	U 🥦	110000	υ	350	U
2-CHLOROPHENOL	14000	U	47000	l	58000		110000	U	350	U
2-METHYLPHENOL	14000	U.,	11000	U	14000	U	110000	U∵	350	U
2,2'-OXYBIS(1- CHLOROPROPANE)	14000	U	11000	U	14000	υ	110000	υ	350	UJ
ACETOPHENONE	14000	U	11000	U	14000	Ú	110000	U	350	U :
4-METHYLPHENOL	14000	U	11000	Ü	14000	U	110000	U	350	U
N-NITROSO-DI-N PROPYLAMINE	14000	U	33000		39000	15 (15) 1 (16) 1 (16)	110000	ينين ل	350	U .
HEXACHLOROETHANE	14000	U	11000	U	14000	U	110000	U	350	υ
NITROBENZENE	.14000	U	11000	U	14000	U	110000	U	350	· U
ISOPHORONE	14000	U	11000	U	14000	U	110000	U	350	υ
2-NITROPHENOL	14000	U	11000	U	14000	Ú	110000	U	350	υ
2,4-DIMETHYLPHENOL	14000	U	11000	U	14000	U	110000	U	350	U
BIS(2-CHLOROETHOXY)METHANE	14000	U	11000	<b>U</b>	14000	U	110000	U	350	U
2,4-DICHLOROPHENOL	14000	U	11000	U	14000	U	110000	U	350	Ü
NAPHTHALENE	3100	J	2300	J	14000	U	<u>110000</u>	U	350	U
4-CHLOROANILINE	14000	U	11000	U	14000	U	110000	U	350	U
HEXACHLOROBUTADIENE	14000	U 🚎	11000	υ	14000	U S	110000	U	350	U 🤏
CAPROLACTAM	14000	U	11000	U	14000	U	110000	U	350	U
4-CHLORO-3-METHYLPHENOL	14000	U	59000		74000	100	110000	υ.	350	ŭ l
2-METHYLNAPHTHALENE	2000	J.	1800	J	1700	J	170000		54	J
HEXACHLOROCYCLO-PENTADIEN	14000	U	11000	υ	14000	U	110000	U	350	UJ
2,4,6-TRICHLOROPHENOL	14000	U	11000	U	14000	U	110000	U	350	U
2,4,5-TRICHLOROPHENOL	34000	U	29000	U	34000	បៈ្លិ	270000	U	880	ŭ
1,1'-BIPHENYL	14000	U	11000	U	14000	U	110000	U	350	U
2-CHLORONAPHTHALENE	14000	U	11000	U	14000	U ASS	110000	U	350	ŭ
2-NITROANILINE	34000	ΰ	29000	U	34000	U	270000	U Table	880	ŭ
DIMETHYLPHTHALATE	14000	U	11000	U	14000	U	110000	U	250	Ü
2,6-DINITROTOLUENE	14000	U	11000	υ	14000	U	110000	บ	350	ŭ l
ACENAPHTHYLENE	4300	j	11000	υ	14000	Ü	110000	U	350	ŭ . [
3-NITROANILINE	34000	u i	29000	U	34000	U	270000	U	880	ŭ
ACENAPHTHENE	14000	.u	39000		49000	- A	19000	j l	350	ii l

#### Analytical Results (Qualified Data)

Case #: 32839

SDG: E0074

Site:

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC

Tate:

John Walton 06/17/04

Sample Number :	E0087		E0087MS		E0087MSD		E0088		E0089	
Sample Number : Sampling Location :	X138		X138		X138		X143		X114	
l ' *	Soil		Soil		Soil		Soil		Soil	
Matrix:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Units:	5/5/2004		5/5/2004		5/5/2004		5/5/2004		5/6/2004	
Date Sampled :			14:45		14:45		16:50		07:45	
Time Sampled :	14:45				27		22		6	
%Moisture :	27		27				5.9		8.0	
pH:	7.1		7.1		7.1					
Dilution Factor :	1.0		1.0		1.0	E.	10.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	34000	U	29000	U	34000	U_√€	270000	U	<u> </u>	U 🚓
4-NITROPHENOL	34000	U	65000		77000		270000	U	880	UJ
DIBENZOFURAN	4600	J	3900	J	14000	U	12000	J in the	350	U
2,4-DINITROTOLUENE	14000	U	42000		51000		110000	Ų	350	U
DIETHYLPHTHALATE	14000	U	11000	U 🚉	14000	U.	110000	U	350	U
FLUORENE	5900	J	5200	J	14000	U	25000	J	350	Ù
4-CHLOROPHENYL-PHENYL ETHER	14000	υ. 📜	11000	U	14000	U	110000	U	350	U
4-NITROANILINE	34000	U	29000	U	34000	U	270000	U	880	U
4,6-DINITRO-2-METHYLPHENOL	34000	U	29000	U	34000	U	270000	U	880	U
N-NITROSO DIPHENYLAMINE	14000	υ	11000	υ	14000	U	110000	U	350	U
4-BROMOPHENYL-PHENYLETHER	14000	U	11000	U	14000	U	110000	U÷	350	U
HEXACHLOROBENZENE	14000	U	11000	U	14000	U	110000	U	350	U .
ATRAZINE	14000	U	11000	U	14000	U	110000	U	350	U
PENTACHLOROPHENOL	34000	U	38000		47000		270000	U	880	UJ
PHENANTHRENE	36000	* 1	39000		7200	J	75000	J	# 85	J
ANTHRACENE	10000	J	11000		1900	J	14000	J	350	U
ARBAZOLE	2500	J	2300	J	14000	U	110000	U	350	U
DI-N-BUTYLPHTHALATE	. 14000	U	11000	U	14000	U	110000	U	350	U
FLUORANTHENE	30000		43000	122	49000		110000	U	350	U
PYRENE	31000	J	99000	1	64000		110000	υ	45	J
BUTYLBENZYLPHTHALATE	14000	U	11000	U Hair	14000	U	110000	U	350	UJ
3,3'-DICHLOROBENZIDINE	14000	U	11000	υ	14000	U	110000	U	350	υ
BENZO(A)ANTHRACENE	13000	J	23000		2600	J	110000	U	40	j
CHRYSENE	14000	1	22000		3600	J	110000	U	68	j
BIS(2-ETHYLHEXYL)PHTHALATE	14000	บรา	6600	J	14000	U	110000	u III.	54	j sakasi
DI-N-OCTYLPHTHALATE	14000	U	11000	U	14000	U	110000	U	350	UJ
BENZO(B)FLUORANTHENE	9000	j	17000		14000	U T	110000	U	37	J
BENZO(K)FLUORANTHENE	10000	l j	19000	\$2.5	14000	U	110000	U	350	Ü
BENZO(A)PYRENE	11000	٦	22000	1.000	14000	U	110000	11 9259	350	ŭ ·
INDENO(1,2,3-CD)-PYRENE	7200	Ĭ	15000	and the second second	14000	U WEEK	110000	l u	84	
DIBENZO(A,H)-ANTHRACENE	2300	Li.	4700	la se	14000	u 🏣	110000	ľ	49	
BENZO(G,H,I)PERYLENE	7700	ľ	16000		14000	U dien	110000	U	180	,
DEGLOCO, HAVE LIVE LINE	1,700		1 10000	1	17000		110000		100	

SDG: E0074

Site: Lab.: U.S. STEEL CORP JOLIET WORKS

Reviewer:

Date:

CEIMIC

John Walton 06/17/04

Sample Number :	E0090		E0091		T-0000		T =====			
Sampling Location :	X116		X142		E0092		E0093		E0094	
Matrix:	Soil				X140		X133	•	X134	
Units:	!		Soil		Soil		Soil		Soil	
	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	08:30		09:15		09:45		10:30		11:05	
%Moisture :	17		31		38		30 ,		37	
pH:	7.5		7.0		6.7		5.6		5.6	
Dilution Factor :	1.0		1.0	,	10.0		1.0		2.0	
Semivolatile Compound	Result	Flag	Result	Flag	Resuit	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	10000	UJ	13000	UJ	120000	U 🐇	10000	UJ	230	J
PHENOL	10000	U	13000	U	120000	U	10000	U	1000	U
BIS-(2-CHLOROETHYL)ETHER	10000	U	13000	U	120000	U	10000	U	1000	U
2-CHLOROPHENOL	10000	U	13000	U	120000	U	10000	U	1000	U
2-METHYLPHENOL	10000	U	13000	U	120000	U	10000	Uniting	1000	U
2,2'-OXYBIS(1- CHLOROPROPANE)	10000	U	13000	U	120000	IJ	10000	U	1000	UJ
ACETOPHENONE	10000	U say	13000	U	120000	U 🤼	10000	Unic	1000	U
4-METHYLPHENOL	10000	U	13000	U	120000	U	10000	U	. 180	J
N-NITROSO-DI-N PROPYLAMINE	10000	U 🚶	13000	U	120000	U	10000	U	1000	U
HEXACHLOROETHANE	10000	U	13000	U	120000	U	10000	U	1000	U
NITROBENZENE	10000	U	13000	U	120000	U	10000	U	1000	U
ISOPHORONE	10000	U	13000	U	120000	U	10000	U	1000	U
2-NITROPHENOL	10000	U	13000	U	120000	U	10000	U 🚉	1000	U Sign
2,4-DIMETHYLPHENOL	10000	U	13000	U	120000	U	10000	U	1000	U
BIS(2-CHLOROETHOXY)METHANE	10000	U	<u></u> 13000	U	120000	U	10000	UFF	1000	U
2,4-DICHLOROPHENOL	10000	U	13000	U	120000	U	10000	n T	1000	U.Saum
NAPHTHALENE	10000	U	13000	U	120000	. U	10000	U	1000	U PA
4-CHLOROANILINE	10000	U	13000	U	120000	υ	10000	U	1000	U Sustant
HEXACHLOROBUTADIENE	10000	U	13000	U	120000	U	10000	Ú	1000	11 05 Q.E.
CAPROLACTAM	10000	U	13000	U	120000	U	10000	U	1000	U ·
4-CHLORO-3-METHYLPHENOL	10000	υ	13000	U S	120000	u 🐺	10000	u	1000	U
2-METHYLNAPHTHALENE	10000	U	14000	1	35000	j	10000	U	1000	U
HEXACHLOROCYCLO-PENTADIEN	10000	U	13000	υ .	120000	บม	10000	U1 55	1000	UJ
2,4,6-TRICHLOROPHENOL	10000	U	13000	U	120000	U	10000	U markitik	1000	U
2,4,5-TRICHLOROPHENOL	25000	U	33000	U	290000	U-V	25000	U.	2600	-
1,1'-BIPHENYL	10000	U	13000	U	120000	U	10000	U	1000	U
2-CHLORONAPHTHALENE	10000	U Tab	13000	ับ	120000	U	10000	Ú	1000	UTTE
2-NITROANILINE	25000	Ū	33000	U	290000	U	25000	U	2600	
DIMETHYLPHTHALATE	10000	U	13000	U - G	120000	Ü.	20000	U	2600 1000	U
2,6-DINITROTOLUENE	10000	U	13000	U	120000	n Arrigati	10000	U	in the said of the state of the state of the said	U
ACENAPHTHYLENE	10000	Ü	13000	ŭ	120000	U	10000	- 1	1000	U De Seigel
3-NITROANILINE	25000	U	33000	υ 1	290000	U	Committee Confidence Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Commi	U	1000	U: Fig.
ACENAPHTHENE	10000	υ	1800	<u> </u>	15000	j	25000 10000	U	2600	U
					13000	<del></del>	10000	U	1000	U

SDG: E0074

Site :

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC John Walton

nte :

Sample Number :	E0090		E0091		E0092		E0093		E0094	
Sampling Location :	X116		X142	•	X140		X133		X134	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	08:30		09:15		09:45		10:30		11:05	
%Moisture:	17		31		38		30		37	
pH:	7.5		7.0	,	6.7		5.6		5.6	
Dilution Factor :	1.0		1.0		10.0		1.0		2.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2.4-DINITROPHENOL	25000	U	33000	U	290000	U	25000	U	2600	U
4-NITROPHENOL	25000	U	33000	U	290000	UJ	25000	U	2600	UJ
DIBENZOFURAN	10000	ט יי	13000	U	120000	U	10000	U.	150	١
2,4-DINITROTOLUENE	10000	U	13000	U	120000	U	10000	U	1000	u .
DIETHYLPHTHALATE	10000	U	13000	U	120000	U	10000	U	1000	U
FLUORENE	10000	U	4200	J	29000	J	10000	U	1000	υ
4-CHLOROPHENYL-PHENYL ETHER	10000	U	13000	u :	120000	U	10000	υ	1000	u .
4-NITROANILINE	25000	U	33000	U	290000	U	25000	U	2600	u .
4,6-DINITRO-2-METHYLPHENOL	25000	υ	33000	U	290000	11 - 32	25000	υ	2600	U
N-NITROSO DIPHENYLAMINE	10000	υ	13000	U	120000	U fas	10000	U	1000	U
4-BROMOPHENYL-PHENYLETHER	10000	U.	13000	U	120000	U	10000	Ü	1000	u ·
HEXACHLOROBENZENE	10000	U	13000	U	120000	U	10000	u	1000	U
ATRAZINE	10000	U	13000	U -	120000	u Hill	10000	Ü	1000	U
PENTACHLOROPHENOL	25000	υ	33000	U	290000	UJ	25000	U	2600	UJ
PHENANTHRENE	1800	J	24000		110000	J 🤚	2000	j	The three sales in O.C.O.	J
ANTHRACENE	10000	U	5800	j	23000	J	10000	U	1000	U ·
\RBAZOLE \	10000	U	13000	ט ו	120000	UNIT	10000	U	1000	Ü .
DI-N-BUTYLPHTHALATE	10000	U	13000	U	120000	U	10000	U	1000	U
FLUORANTHENE	1700	J E	5100	J	16000	J OF	10000	U	350	i
PYRENE	2300	j	27000	·	74000	j	10000	U	280	J
BUTYLBENZYLPHTHALATE	10000	υ	13000	U	120000	UJ	10000	U	1000	UJ
3,3'-DICHLOROBENZIDINE	10000	υ	13000	U	120000	U	10000	Ü	1000	U
BENZO(A)ANTHRACENE	1200	J	5300	J	21000	J	10000	Ü	130	J
CHRYSENE	1700	j	7400	j	34000	J	10000	U	240	j
BIS(2-ETHYLHEXYL)PHTHALATE	4800	J	5000	J Comme	120000	UJ	10000	u a a	1000	Uj
DI-N-OCTYLPHTHALATE	10000	U	13000	υ	120000	UJ	10000	U	1000	UJ
BENZO(B)FLUORANTHENE	10000	U	3200	J	120000	U 🚉	10000	U	1000	U
BENZO(K)FLUORANTHENE	1200	J	2900	J	120000	U	10000	U	1000	U
BENZO(A)PYRENE	1000	J	3800	J .	13000	J 1.4	10000	Ū il	1000	u i
INDENO(1,2,3-CD)-PYRENE	10000	U	13000	U	120000	U	10000	U	1000	U
DIBENZO(A,H)-ANTHRACENE	10000	U	13000	U	120000	U Z	10000	Ü	1000	ů
BENZO(G,H,I)PERYLENE	10000	U	3900	J	12000	J	10000	Ü	1000	U

#### Analytical Results (Qualified Data)

Case #: 32839

SDG: E0074

Site : Lab. : U.S. STEEL CORP JOLIET WORKS

Reviewer:

CEIMIC John Walton

Sample Number :	E0095		E0096		E0097		SBLKDH		SBLKDI	. 1
Sampling Location :	X135		X112		X130		•			
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004					
Time Sampled :	12:05		13:50		14:25					
%Moisture :	29		35		35		N/A		N/A	
pH:	6.5		7.1		6.9					
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	460	U	) jeg 98	J	14000	UJ 🔆	330	U	330	U
PHENOL	460	U	500	U	14000	υ	330	U	330	U
BIS-(2-CHLOROETHYL)ETHER	460	U	500	U	14000	បុះ្តិ	330	U	330	U j
2-CHLOROPHENOL	460	U.	500	U	14000	U	330	U	330	U
2-METHYLPHENOL	460	υź	500	U	14000	U	330	U	330	U.S.
2,2'-OXYBIS(1- CHLOROPROPANE)	460	UJ	500	UJ	14000	U	330	υ	330	U
ACETOPHENONE	460	U	500	U	14000	U	330	U	330	U
4-METHYLPHENOL	460	U	500	U	14000	U	330	U	330	U
N-NITROSO-DI-N PROPYLAMINE	460	U	500	U	14000	U.	330	U	330	U
HEXACHLOROETHANE	460	υ	500	υ	14000	U	330	U	330	U
NITROBENZENE	460	U	500	U	14000	U	330	U.	330	U
ISOPHORONE	460	U	500	U	14000	U	330	U	330	U
2-NITROPHENOL	460	U	500	U	14000	U is,	330	U	330	U.,
2,4-DIMETHYLPHENOL	460	lu l	500	U	14000	U	330	U	330	U
BIS(2-CHLOROETHOXY)METHANE	460	U	500	U	14000	U	330	U	330	U
2,4-DICHLOROPHENOL	460	U	500	U	14000	U	330	U	330	U
NAPHTHALENE	460	U	500	U	14000	U	330	U	330	U
4-CHLOROANILINE	460	U	500	U	14000	U	330	U	330	U
HEXACHLOROBUTADIENE	460	Usign	500	U	14000	U	330	U	330	U
CAPROLACTAM	460	U	500	U	14000	U	330	U	330	U
4-CHLORO-3-METHYLPHENOL	460	י, ט	500	U	14000	U	330	U	330	U
2-METHYLNAPHTHALENE	460	U	500	U	14000	U	330	U	330	U
HEXACHLOROCYCLO-PENTADIEN	460	UJ	500	บปุ 🐧	14000	U	330	U 🔭	330	U V
2,4,6-TRICHLOROPHENOL	460	U	500	U	14000	U	330	U	330	U
2,4,5-TRICHLOROPHENOL	1200	U	1300	U	35000	Ü	830	U	830	U
1,1'-BIPHENYL	460	U	500	U	14000	U	330	U	330	U
2-CHLORONAPHTHALENE	460	U	500	U	14000	U	1 330	U	330	U≕ੰ∓
2-NITROANILINE	1200	U	1300	U	35000	υ	830	U	830	U
DIMETHYLPHTHALATE	460	ט 🚆	500	U 🐩	14000	U Seeming	330	U Thomas and	330	U Sirks
2,6-DINITROTOLUENE	460	U	500	U	14000	υ	330	U	330	U
ACENAPHTHYLENE	460	U	500	u	14000	U	330	U	330	Ugg
3-NITROANILINE	1200	U	1300	U	35000	U	830	U	830	U
ACENAPHTHENE	200		500	U	14000	ប្រ	330	u "a"	330	ไม

SDG: E0074

Site:

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC

Reviewer iate : John Walton . 06/17/04

Sampling Location : Matrix : Units : Date Sampled : Time Sampled : %Moisture : pH : Dilution Factor :	X135 Soil ug/Kg 5/6/2004 12:05 29 6.5 1.0		X112 Soil ug/Kg 5/6/2004 13:50 35		X130 Soil ug/Kg 5/6/2004 14:25		Soìl ug/Kg		Soil ug/Kg	
Units : Date Sampled : Time Sampled : %Moisture : pH :	ug/Kg 5/6/2004 12:05 29 6.5 1.0		ug/Kg 5/6/2004 13:50		ug/Kg 5/6/2004					
Date Sampled : Time Sampled : %Moisture : pH :	5/6/2004 12:05 29 6.5 1.0		5/6/2004 13:50		5/6/2004		ug/Kg		ug/Kg	
Time Sampled : %Moisture : pH :	12:05 29 6.5 1.0		13:50						" "	
%Moisture : pH :	29 6.5 1.0				44.05				1	
pH:	6.5 1.0		35		14:25					
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	1.0				35		N/A		N/A	
Dilution Factor:		,	7.1		6.9					
Dilution Factor .			1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	1200	U	1300	U	35000	U+,350	্যু ্যু 830	U.	830	U
4-NITROPHENOL	1200	υJ	1300	IJ	35000	U	830	U	830	U
DIBENZOFURAN	79	J	500	U	14000	U	330	U	330	Ū
2,4-DINITROTOLUENE	460	U	500	U	14000	Ų	330	U	330	U
DIETHYLPHTHALATE	460	υ	500	U	14000	U 🐪	330	U	330	U
FLUORENE	170	J	500	υ	14000	U	330	U	330	U
4-CHLOROPHENYL-PHENYL ETHER	460	U	500	U	14000	U	330	U	330	U
4-NITROANILINE	1200	υ	1300	U	35000	U	830	U	830	U
4,6-DINITRO-2-METHYLPHENOL	1200	U	1300	U	35000	ប 🛒	830	U	830	u
N-NITROSO DIPHENYLAMINE	460	U	500	U	14000	U	330	U	330	บ
4-BROMOPHENYL-PHENYLETHER	460	U	500	U 🖘	14000	U	330	U.S. S.	330	Ü
HEXACHLOROBENZENE	460	υ	500	υ	14000	υ	330	U	330	u
ATRAZINE	460 يائين. ،	U	500	יט	14000	U	330	Ū.	330	u
PENTACHLOROPHENOL	1200	UJ	1300	UJ	35000	6	830	U	830	U
PHENANTHRENE	2000	Contract Section 2	500	U	1500	j : 7%	330	บ 🗝	330	ŭ
ANTHRACENE	400	J	500	U	14000	U	330	U	330	U
ARBAZOLE	330	J.	500	U	14000	U	330	U .	330	U
OI-N-BUTYLPHTHALATE	460	U	500	U	14000	U	330	U Jisi	330	U ·
FLUORANTHENE	3500		500	U .	3600	J.	330	u S	330	ប :-
PYRENE	3300		500	U	6100	j î	330	U	330	U
BUTYLBENZYLPHTHALATE	460	บป	500	UJ	14000	U	. 330	U	330	Ü
3,3'-DICHLOROBENZIDINE	460	U	500	U	14000	U	330	U	330	Ü
BENZO(A)ANTHRACENE	1700		500	U	2700	J. San	330	Ü	330	u l
CHRYSENE	2100		500	υ	3900	J	330	u	330	U
BIS(2-ETHYLHEXYL)PHTHALATE	110	J	89	J	14000	U material	330	U	330	บ่
DI-N-OCTYLPHTHALATE	460	UJ	500	UJ	14000	73. 12224 TS	330	U Tarring	330	U .
BENZO(B)FLUORANTHENE	2000	100	500	υ	2000	J	330		330	U
BENZO(K)FLUORANTHENE	1400		500	U	2000	J	330	U	330	U
BENZO(A)PYRENE	1800	J	500	U	1900	J	330	.u	330	U
INDENO(1,2,3-CD)-PYRENE	1500	J	500	U	14000	U	330	U	330	U
DIBENZO(A,H)-ANTHRACENE	540	j	··· 500	Ū.	14000	Ü	330	Ü	330	u ·
BENZO(G,H,I)PERYLENE	1600		500	U	14000	U	330	U	330	u

SDG: E0074

Site: Lab.: U.S. STEEL CORP JOLIET WORKS

Reviewer: Date:

CEIMIC John Walton

UI	11	•	vvaitori	
			06/17/0	4

Sample Number :	SBLKJQ		SBLKJW		SBLKKU		T		<del></del>	
Sampling Location :	1		052,000		OBLINIO					
Matrix :	Soil		Soil		Soil		ł			:
Units:	ug/Kg		ug/Kg		ug/Kg		· ·			
Date Sampled :	1		Jugarty		ug/Kg		-			
Time Sampled :			İ		·					
%Moisture :	N/A		N/A		N/A	*				
pH:			1000		I N/A					
Dilution Factor :	1.0		1.0		1.0					
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	1 5-		
BENZALDEHYDE	330	UJ	10000	U	10000	UJ		Flag	Result	Flag
PHENOL	330	U	10000	Ū	10000	U	A STATE OF	- Min 1-21	2004 1	
BIS-(2-CHLOROETHYL)ETHER	330	U	10000	Ū	10000	U		10 200		
2-CHLOROPHENOL	330	U	10000	U	10000	U	National Control		1 11.1	
2-METHYLPHENOL	330	U	10000	U 🌅	10000	U /	- Tanggagany	: : : : : : : : : : : : : : : : : : :		ha Maraga - Mil
2;2'-OXYBIS(1- CHLOROPROPANE)	330	U	10000	UJ	10000	U	The Land Print			. Pakiri kilili
ACETOPHENONE	330	U	10000	U ::[	10000	U	Y-11/20th the setting of		Totalisti medike disam	0.773.06.058
4-METHYLPHENOL	330	U	10000	U	10000	U	TONIA STATE			Table 1944
N-NITROSO-DI-N PROPYLAMINE	330	υ	10000	Ü	10000	U			n de Strage de de desembre	. organis
HEXACHLOROETHANE	330	U	10000	U	10000	U	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	The State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the S		2000 de 1000
NITROBENZENE	330	U.S	10000	U	10000	U		产线额运车	oranie service de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition della composition della composition de la composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della compositi	-1 - prijskaposa
ISOPHORONE	330	U	10000	U 27247	10000	U				A PROPERTY.
2-NITROPHENOL	330	U	10000	U	10000	U	CONTRACTOR OF THE	12265283		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2,4-DIMETHYLPHENOL	330	U	10000	U	10000	O TOTAL	STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE			- Arrice
BIS(2-CHLOROETHOXY)METHANE	330	υ	10000	U TO	10000	21.08				) Tones
2,4-DICHLOROPHENOL	330	Ü	10000	U	10000	U	Control   Chill		Terrando de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya del companya de la companya del companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya d	
NAPHTHALENE	330	U	10000	U	10000	Ų	The Mark of the second		CONTRACTOR STATES	0.850,54.71
4-CHLOROANILINE	330	U	10000	U	10000	Ū	And the state of the state of		v. SittleMile	
HEXACHLOROBUTADIENE	330	υ	10000	บ	10000	υ				STANFET
CAPROLACTAM	330	UJ	10000	U	10000	U	ar are larger with he	्रमेश्वरीहरू होते । इ.स.च्या	a comment	
4-CHLORO-3-METHYLPHENOL	330	U	10000	U	10000	Ü		SOE C		
2-METHYLNAPHTHALENE	330	U	10000	U	10000	U	The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	. الشكاشينداد	or and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state o	<u></u>
HEXACHLOROCYCLO-PENTADIEN	330	UJ	10000	UJ	10000	U E				-40,21
2,4,6-TRICHLOROPHENOL	330	U	10000	U	10000	1	A TO A CONTRACT OF STATE OF	n. Alexandrica	TOTAL PROPERTY OF THE SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND S	
2,4,5-TRICHLOROPHENOL	830	U	25000	U	25000	U. Sale		LA SERVICE S		. A
1,1'-BIPHENYL	330	U	10000	U	10000	U	control of property and property property (		i D.C. Ph. Dhomi. I shi i khi khi c	i meralenter
2-CHLORONAPHTHALENE	330	U	10000	U	10000	U .	THE COMMENTS OF THE SAME	Telling	S. District	the services
2-NITROANILINE	830	UJ	25000	.U	25000	U	THE REPORT OF THE SECON	To Calcino ( )	in inclination (27)	hand the
DIMETHYLPHTHALATE	330	U	10000	U	10000	U .	The last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the la	10 <u>12</u>	And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	
2,6-DINITROTOLUENE	330	U	10000	υ	10000	U	attino hallaning in	"NEMA		and the same
ACENAPHTHYLENE	330	Ų	10000	U	10000	U	Santa Company	50 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 195 (1950) 1		-7.1 -7.1 
3-NITROANILINE	830	U	25000	U	25000	U	to the transfer of the same of	v sam desides (n.)	somewhat withstiffing.	المستقد ا
ACENAPHTHENE	<b>3</b> 30	U	10000	U	10000	U		المنطقة المنافعة		

SDG: E0074

Site: Lab. : U.S. STEEL CORP JOLIET WORKS

Reviewer:

CEIMIC John Walton

ate:	06/17/04

Sample Number :	SBLKJQ		SBLKJW		SBLKKU					
Sampling Location :				•					ŀ	
Matrix:	Soil		Soil		Soil				į	
Units :	ug/Kg		ug/Kg		ug/Kg		ļ		ļ	
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A		ļ	•	1	
pH:									· ·	
Dilution Factor :	1.0		1.0		1.0				l	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	830	U	25000	U. 🚎	25000	U	Efficie L.	Total Comment		i ilug
4-NITROPHENOL	830	UJ	25000	UJ	25000	U	TRANSPORTATION CO.	"Lock""	Albert State (A.S.)	
DIBENZOFURAN	330	U	10000	U	10000	U			A CREAR	
2,4-DINITROTOLUENE	330	U	10000	U	10000	U	The present the property of the pro-		. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	7.7
DIETHYLPHTHALATE	330	U	10000	U	10000	U	The Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Co	<u>P</u> er.	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	
FLUORENE	330	U	10000	U	10000	U	ः अन्तर्भागीयोगासम्बद्धान्त्रीयोगाः -	Lake i	and the substitution	
4-CHLOROPHENYL-PHENYL ETHER	330	U	10000	U	10000	U 🟋	Marin Salahar	100	agrant of	
4-NITROANILINE	830	U	25000	U	25000	U	est en estate, que en	77.4		
4,6-DINITRO-2-METHYLPHENOL	830	U	25000	U	25000	U	Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Com		المرسفان المراسا	
N-NITROSO DIPHENYLAMINE	330	Ü	10000	U	10000	U	2. 《《数本工作者等数据》	+4693.5°	FRONTE UT.	ž.
4-BROMOPHENYL-PHENYLETHER	330	U	10000	U d	10000	U				1
HEXACHLOROBENZENE	-330	U	10000	U	10000	U	to the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th	10000000	n ingaterogiji, saaga eedil	
ATRAZINE	330	U	10000	U	10000	U		(35)	1 1 1 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.5 2.56
PENTACHLOROPHENOL	830	υ	25000	UJ	25000	U	1770 C. M. Sandani	7, 1,2 11	result (1772 Miles	
PHENANTHRENE	330	U	10000	U	10000	u:Tay	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	
ANTHRACENE	330	U	10000	U	10000	U	a strong til and makerie i	35 (44)	a faster leading	
ARBAZOLE	330	U	10000	U	10000	U THE	134 TV 304 \$25.5	NAME OF	g to safet t	11.
וטיא-N-BUTYLPHTHALATE	330	UJ	10000	U	10000	U	Committee of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	in the Co	a var Maringaa£in, i	
FLUORANTHENE	330	U	10000	υ	10000	U		1.55( +-	in the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of	15.0
PYRENE	330	U	10000	U	10000	U	7 7 7 7 7 7 7 7 7 7			· •
BUTYLBENZYLPHTHALATE	330	UJ -	10000	υJ	10000	U 🍰	groups u		1.4	
3,3'-DICHLOROBENZIDINE	330	U	10000	U	10000	U	Section of the section of	10 m 10 m	the part was , 2, ,	
BENZO(A)ANTHRACENE	330	U	10000	U	10000	U i.j		and the second second		
CHRYSENE	330	U	10000	U	10000	U	v - sacrangemental 2.55	i wyd wddyd, y	i. Pisa nasa	
BIS(2-ETHYLHEXYL)PHTHALATE	330	UJ	1300	J	10000	U		and and and	r Francisco Fallon y grand francisco	er i jasten.
DI-N-OCTYLPHTHALATE	330	Πì	10000	UJ	10000	U	State of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	1.5.1592.1	The second second second in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	- Million
BENZO(B)FLUORANTHENE	330	U 🏣	10000	U	10000	U	Angelia de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la co	7 (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	en en grand general general general general general general general general general general general general ge De grand general general general general general general general general general general general general gener	-7-20
BENZO(K)FLUORANTHENE	330	U	10000	υ	10000	U		. J. Danty .	The water by	· [
BENZO(A)PYRENE	330	U	10000	U	10000	U	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Transport	1774	. ]
INDENO(1,2,3-CD)-PYRENE	330	υ	10000	U	10000	U	200 (20), (20) (20) (20) (4)	· Finings	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	1
DIBENZO(A,H)-ANTHRACENE	330	U	10000	U	10000	U .		. 1		ŀ
BENZO(G,H,I)PERYLENE	330	U	10000	U	10000	υ	All and a second		· [	
						<u></u>				

4,4'-DDD

ENDOSULFAN SULFATE

**METHOXYCHLOR** 

ENDRIN KETONE

**GAMMA-CHLORDANE** 

TOXAPHENE

AROCLOR-1016

AROCLOR-1221

AROCLOR-1232

AROCLOR-1242

AROCLOR-1248

AROCLOR-1254

AROCLOR-1260

ALPHA-CHLORDANE

**ENDRIN ALDEHYDE** 

4,4'-DDT

SDG: E0074

U.S. STEEL CORP JOLIET WORKS

Lab.: Reviewer: Date:

Site:

CEIMIC

John Walton 06/17/04

**____3.9** 

3.9

20 U

3.9 U

2.0 U

200 U

79

39 U

39

39 U

> 39 U

.39 U

39

U.

U

U ...

3.9 U

3.9

Number of Soil Samples: 19

Number of Water Samples: 0

U

41 U

41 U

21 U

: 21

2100

. . . . . . . . 820

410 U

410 U

410

410 U

410 U

41

41

U

U

U 210

U

U

U

U. data

U ...

U 410

U

U

U

J

U

U 41

U 82

U

U 4.1

4.1 U

21 U

2.1 U

210

41 U

41 U

41 U

41

. 41

4.1

- ∵ 6.0

4.1

3.7 U

3.7

3.7 U

. 53

24

3.7 U

7.2

1.9 U

190 U

> 37 u

37 U

37 U

37 U

.37 U

37 U

U

7.5

19

U

	00/11/04					,				
Sample Number :	E0074		E0075		E0076		E0076DL		E0082	
Sampling Location :	X117	X117		X111		X113			X129	
Matrix:	Soil		Soil		Soil		X113 Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/4/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	16:00		08:40		08:40		08:40		10:30	
%Moisture :	16		29		19		19		11	
pH:	8.6		6.4		4.0		4.0		9.4	
Dilution Factor :	1.0		1.0		1.0		10.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	2.0	U	2.4	U	2.1	U	<u> </u>	U	1.9	U
BETA-BHC	2.0	U	2.4	U	2.3	J	21	U	2.7	j
DELTA-BHC	2.0	U	2.4	U	2.1	U	21	U 🛬	-1.9	Ů.,
GAMMA-BHC (LINDANE)	2.0	U	2.4	υ	2.1	U	21	U	19	11
HEPTACHLOR	2.0	U - 🚞	2.4	U	2.1	U	21	ປຼຸ	1.9	U
ALDRIN	2.0	U	2.4	U	2.1	U	21	U	1.9	U
HEPTACHLOR EPOXIDE	2.0	U	2.4	U	+⊹ :√19	J	A21	U	1.9	U
ENDOSU1FAN I	2.0	U	2.4	U	2.1	U	21	U	1.9	L L
DIELDRIN	3.9	U	4.6	U	4.1	U 🐇	41	り画賞		บ
4,4'-DDE	3.9	Ų	4.6	U	4.1	U	41	U	9.8	- Carriera - J
ENDRIN	3.9	U 🥫	4.6	U	4.1	U	41	U	3.7	U.
ENDOSULFAN II	3.9	U ·	4.6	U	4.1	I I I I I I I I I I I I I I I I I I I	21	- 1-1 - 不可以可能的問題	3.7	· Tolking

4.6

4.6 U

24 U.

4.6 U

2.4 U

240

46 Ų

94 U

46 Ų

46 U

46 U

46 U

46 U

4.6

2.4

U

U

U.

4.6

SDG: E0074

Site :

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : Date :

CEIMIC John Walton

Sample Number :	E0082DL	E0083	E0083DL	E0084	E0084DL
Sampling Location :	X129	X126	X126	X126A	X126A
Matrix : Units : Date Sampled : Time Sampled : %Moisture : pH : Dilution Factor :	Soil	Soil	Soil	Soil	Soil
	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
	5/5/2004	5/5/2004	5/5/2004	5/5/2004	5/5/2004
	10:30	11:45	11:45	11:45	11:45
	11	23	23	24	24
	9.4	5.0	5.0	5.4	5.4
Pasticida/PCP Compound			10.0	1.0	10.0

	1		5.0		5.0		5.4		5.4	
Dilution Factor :	10.0		1.0		10.0		1.0		10.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	19	U	2.2	U .	22	U	2.2	U	22	U
BETA-BHC	19	U	2.2	U	22	U	2.2	J	22	lu l
DELTA-BHC	19	U	2.2	U	22	U	2.2	l u	22	lu l
GAMMA-BHC (LINDANE)	19	U	2.2	U	22	U	2.2	U	22	U
HEPTACHLOR	19	υS	2.2	U	22	U	2.2	υ		
ALDRIN	19	U	2.2	U	22	LII	2.2	U.	. 22	U
HEPTACHLOR EPOXIDE	19	U	9.3	j	22	U	6.2	,	22	U
ENDOSU1FAN I	19	U	2.2	U	22	U	, marks my has robust a journal of		22	U
DIELDRIN	37	U	4.2	П 33	42	U 🚞	2.2	U	22	U
4,4'-DDE	37	U	22	. +4·Na	42	U Salar	4.3	U .	43	U
ENDRIN	37	u .	5.5	i mani	16 Thomas and finite is to	ט יי	15	nyar asi a	43	U
ENDOSULFAN II	37	u l	25		42 59	U.	6.7	J	43	U :
4,4'-DDD	37	ŭ .	4.2	11		11 (75)	27	J	45	J
ENDOSULFAN SULFATE	37	ii l	4.2	U	. 42	0 13.27	4.3	U	43	U
4,4'-DDT	64	,	26		42 42	U H 100%	4.3	U	43	U
METHOXYCHLOR	190	u l	36			U 1877	20	J S	43	U
NDRIN KETONE	37	ŭ ·	37	, <u> </u>	220	U	22	U	220	U
ENDRIN ALDEHYDE	37	U	20	.,	42	U ~		J	43	U
ALPHA-CHLORDANE	19	ŭ		1	42	U	8.7	J	43	υ
GAMMA-CHLORDANE	19	Ü	29	. 1	22	3 444	2.2	U ·	22	U .
TOXAPHENE	1900	ŭ	2.2	U	22	U	2.2	U	22	U
AROCLOR-1016	370	i l	220	U	2200	U	220	U	2200	U
AROCLOR-1221	750	u I	42	U	420	U	43	U	430	U
AROCLOR-1232	370	- 1	86	U	860	U	88	U ,	880	U
AROCLOR-1242	transport to the second of	U	42	U	420	U Story of the second	43	U	430	U
AROCLOR-1248	370	U	42	U		U	43	U	430	U
AROCLOR-1254	370	U	42	U	420	U	43	U	430	U
AROCLOR-1260	370	U	42	U	420	U _	43	U	430	u I
7.1.00E011-1200	370	U	42	U	420	U	43	U	430	U

SDG: E0074

Site :

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC

John Walton

Review Date:

Sample Number :	E0085		E0086	<del></del>	E0086MS		T FORMALION			
Sampling Location :	X127		X144		X144		E0086MSD		E0087	
Matrix:	Soil		Soil		Soil		X144		X138	
Units:	ug/Kg		ug/Kg	•	1		Soil		Soil	
Date Sampled :	5/5/2004		5/5/2004		ug/Kg		ug/Kg		ug/Kg	
Time Sampled :	12:30		16:10		5/5/2004		5/5/2004		5/5/2004	
%Moisture :	14		17		16:10		16:10		14:45	
pH:	8.1		7.7		17		17		27	
Dilution Factor :	1.0		1.0		7.7		7.7		7.1	
Pesticide/PCB Compound	Result	Flag		I Fin	1.0	T =:	1.0	·	1.0	
ALDUIA DUO		U S.	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BETA-BHC	2.0 2.0	U	2.0 2.0	U to	2.0	Ut 瑞士	2.0	U 🚐	2.3	R
DELTA-BHC	2.0	U 27 1	2.0 2.0	1000000	2.0	l U ປີ	2.0	U	13	J
GAMMA-BHC (LINDANE)	2.0	u	2.0	U	2.0	15524	2.0	U	2.3	R
HEPTACHLOR -	2.0	U	6.85 6.60	l	11	J A. (105	10	J	2.3	R
ALDRIN	2.0	U	2.0	U	9.9	J. J.	9.1	J	2.3	R
HEPTACHLOR EPOXIDE	2.0	U	2.0	ا ت ا ا	13	see	12		5,4	J
ENDOSU1FAN I	2.0	U	2.0	U.	2.0	U	2.0	U	2.3	R
DIELEDON S. MARCON	3.8	U	3.9	-	2.0	U	2.0	U	2.3	R
4.4'-DDE	4.1		3.9	U U	25	J.	24	يون ا <b>ل</b> و	4.5	R
ENDRIN CONTACTOR	3.8	U	3.9	U	3.9	U	3.9	U	13	J
ENDOSULFAN II	3.8	U	a aga compaya' i	3.7	24	J	22	J. S.	4.5	R .
44' DDD	್ಷ.್ಪ3.8	U	3.9 3.9	U	3.9	U	3.9	U	4.5	R
ENDOSULFAN SULFATE	3.8	บ	3.9	U	3.9	U 💥	3.9	U	4.5	R.
4,4'-DDT	ACCOM AND	Ü -≟ "	3.9	U `	3.9	n salen .	3.9	U	4.5	R
METHOXYCHLOR	્રેલ્ડ્રાન <b>ે 3.8</b> 20	บ	20	U	24	1975	32	J	4.5	R
ENDRIN KETONE	8.4	j	∠∪ 5.2		20	U	20	U	23	R
ENDRIN ALDEHYDE	3.8	u	3.9	J	- 3.9	U 🐺	3.9	U	17	J
ALPHA-CHLORDANE	2.0	ŭ	2.0	U T	3.9	U U∃S≸	3.9	U	4.5	R .
GAMMA-CHLORDANE	2.0	Ü	2.0	Ü	2.0 2.0	U TATE	2.0	U	10	J .
TOXAPHENE	200	ŭ	200	ŭ l	the second second		2.0	U	2.3	R
AROCLOR-1016	38	U	39	ŭ	200	U seri	200	U	230	R
AROCLOR-1221	77	ŭ	79	ŭ	39	U	39	U	45	R
AROCLOR-1232	38	ŭ	39	u· I	79	U	79	υ	91	R
AROCLOR-1242	38	Ŭ · · · · l	ne surfaceni	u =	39	U L	39	U	45	R
AROCLOR-1248	38	U	39	U	39	U TO	39	U	45	R
AROCLOR-1254	: 138 das	ŭ	39	u	39	U	39	U	45	R
AROCLOR-1260	38	ŭ	39	U	39	U	39	U	45	R .
	30		39	<u> </u>	39	U	39	U	45	R

SDG: E0074

Site:

U.S. STEEL CORP JOLIET WORKS

Lab.: Reviewer: CEIMIC John Walton

nte :	06/17/04

	Facazo.			~	Faccasi	<del></del>	T =====		I	
Sample Number :	E0087DL		E0088		E0088DL		E0089		E0090	
Sampling Location :	X138		X143		X143		X114		X116	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/5/2004		5/6/2004		5/6/2004	
Time Sampled :	14:45		16:50		16:50		07:45		08:30	
%Moisture :	27		22		22		6		17	
pH:	7.1		5.9		5.9		8.0		7.5	
Dilution Factor :	10.0		1.0		10.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	23	Ü	2.2	U	22	U ·	1.8	U	- 2.0	UJ
BETA-BHC	23	U	68	J	110		1.8	U	2.0	UJ
DELTA-BHC	23	U	8.2	J	22	U	1.8	U	2.0	UJ
GAMMA-BHC (LINDANE)	23	U	2.2	U	22	U	1.8	U	2.0	UJ
HEPTACHLOR	23	اسيال ل	2.2	U		บ	1.8	U	2.0	UJ
ALDRIN	23	U	2.2	U	22	U	1.8	U	2.0	UJ
HEPTACHLOR EPOXIDE	23	U	2.2	U	<b>22</b>	U	1.8	U	2.0	ຸບມູ
ENDOSU1FAN I	23	U	2.2	U	22	U	1.8	U	2.0	UJ
DIELDRIN	45	U	9.9	J	42	U	3.5	U	4.0	UJ
4,4'-DDE	45	U	4.2	U	42	U	3.5	U	6.6	J
ENDRIN	45	U:	8.3	J	42	U	3.5	U	4.0	ເມ
ENDOSULFAN II	45	U	4.2	U	42	U	3.5	U	10	J
4,4'-DDD	45	U	4.2	U First	42	U 🖓	3.5	U	4.0	UJ.
ENDOSULFAN SULFATE	45	U	4.2	U	42	U	3.5	Ū	4.0	UJ
4,4'-DDT	45	U	4.2	U	42	U	3.5	U.	5.8	J
METHOXYCHLOR	230	U	30	J	220	U	18	U	20	UJ I
IDRIN KETONE	45	U	4.2	U	42	U.	3.5	U	19	J
, ⊂NDRIN ALDEHYDE	45	U	12	J	42	U	3.5	U	5.7	J
ALPHA-CHLORDANE	23	υ	41	J	22	U	. 4.5.1.8	U. Si	3.0	J X
GAMMA-CHLORDANE	23	U	2.5	J	22	U	1.8	U WEYER	2.0	UJ
TOXAPHENE	2300	U	220	U	2200	U	180	U	200	UJ
AROCLOR-1016	450	U	42	U	420	U	35	U	40	UJ
AROCLOR-1221	910	U	85	U	850	U	70	U	81	UJ
AROCLOR-1232	450	U	42	U	420	U	35	U	40	UJ
AROCLOR-1242	450	U	42	U	420	U	35	บ	40	UJ
AROCLOR-1248	450	U	42	U	420	U	35	U Maranaga U	40	UJ
AROCLOR-1254	450	U	42	U	420	υ	35	U	40	UJ
AROCLOR-1260	450	U	42	U	420	U	35	U	40	UJ
1					.23		. 00	<u> </u>	40	ك

SDG: E0074

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer :

Site:

CEIMIC John Walton

Reviewer:
Date:

	Leonopi		I =		T =		1		T	
Sample Number :	E0090DL		E0091		E0092		E0093		E0093DL	
Sampling Location :	X116		X142		X140		X133		X133	
Matrix:	Soil		Soil		Soil		Soil		Soil	•
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	08:30		09:15		09:45		10:30		10:30	
%Moisture :	17		31		38		30		30	
pH:	7.5		7.0		6.7		5.6		5.6	
Dilution Factor :	10.0		1.0		1.0		1.0		10.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	20	U		U. T		U	2.4	U	- 24	U
BETA-BHC	20	U	2.4	U	27	U	2.4	U	24	U
DELTA-BHC	20	U	2.4	U	27	U	2.4	U	24	υ
GAMMA-BHC (LINDANE)	20	U	2.4	U	27	U	2.4	U	24	U
HEPTACHLOR	20	U	2.4	U		U	2.4	U	24	U *
ALDRIN	20.	U	2.4	U	27	U	2.4	U	24	U
HEPTACHLOR EPOXIDE	20	U	2.4	U ==	27	U 🚎	2.6	J	24	U
ENDOSU1FAN I	20	U	2.8	J	27	U	2.4	U	24	υl
DIELDRIN	40	U	4.8	U		U	4.7	U.,	47	ן ט
4,4'-DDE	40	U	7.2	J	53	U	4.7	U	47	U U
ENDRIN	40	U	4.8	U	53	U	4.7	ປ	€ 47	u .
ENDOSULFAN II	40	U	4.8	U	53	U	4.7	U	47	U I
4,4'-DDD	40	U	4.8	U	53	U CO	4.7	บ	- 47	11.
ENDOSULFAN SULFATE	40	U	4.8	U.	53	U	4.7	U	47	Ü
4,4'-DDT	3,557, 40	U	6.8	J	53	U	4.7	U	47	i i
METHOXYCHLOR	200	U	24	U	270	U	24	U	240	U
ENDRIN KETONE	40	υ	19	J	90	J N	4.9	j	<u> </u>	Ü
ENDRIN ALDEHYDE	40	U	4.8	U	53	U	4.7	U	47	Ü
ALPHA-CHLORDANE	20	U	2.4	U	50	J		U	24	Ü
GAMMA-CHLORDANE	20	U	2.4	U	27	U	2.4	U	24	O 777,588
TOXAPHENE	2000	U	240	U 🦪	2700	ប្រាំ	240	u 🖅	2400	Ü
AROCLOR-1016	400	Ü	48	U	530	U	47	U	470	U
AROCLOR-1221	810	U	96	บ	1100	Ų j	. 95	u tall	950	ŭ
AROCLOR-1232	400	U	48	υ	530	U	47	U	470	u ~
AROCLOR-1242	400	U	48	U	530	U	47	U managa	470	u ·
AROCLOR-1248	400	U	48	Ü	530	U	47	U	470	u
AROCLOR-1254	400	U	48	Ū	530	U	47	1 (2.76 <del>-</del> 6)	470	U
AROCLOR-1260	400	U	48	U	530	U	47	U	470	U
				لــــــــــــــــــــــــــــــــــــــ	1	1		<u> </u>	4/0	U

SDG : E0074

Site:

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC

John Walton

Date:

Sample Number :	E0090DL		E0091		E0092		E0093		E0093DL	
Sampling Location :	X116		X142		X140		X133		X133	
Matrix: -	Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	08:30		09:15		09:45		10:30		10:30	
%Moisture :	17		31		38		30		30	
pH:	7.5		7.0		6.7		5.6		5.6	
Dilution Factor :	10.0		1.0		1.0		1.0		10.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	20	U	2.4	U.	27	U	2.4	U	24	U
BETA-BHC	20	U	2.4	U	27	U	2.4	U	24	U
DELTA-BHC	20	υ	2.4	U	27	U	- 2.4	U 🦠	24	U
GAMMA-BHC (LINDANE)	20	U	2.4	U	27	U	2.4	U	24	U
HEPTACHLOR	- , 20	U	2.4	U	27	U	2.4	<b>'U</b> `	24	U
ALDRIN	20	U	2.4	U	27	U	2.4	U	24	U
HEPTACHLOR EPOXIDE	20	υ	2.4	U .	27	U	2.6	J⊹	24	U
ENDOSU1FAN I	20	U	2.8	J	27	υ	2.4	υ	24	U
DIELDRIN	40	U	4.8	U	53	U	4.7	UC	47	U 1, 1
4,4'-DDE	40	υ	7.2	j	53	U	4.7	U	47	U
ENDRIN	40	U	4.8	U	53	'U' :	4.7	U	47	U 🗀
ENDOSULFAN II	40	U	4.8	υ	53	U	4.7	U	47	U
4,4'-DDD	40	U	4.8	U	53	U	4.7	U	47	U
ENDOSULFAN SULFATE	40	U	4.8	U	53	U	4.7	U	47	Ų
4,4'-DDT	40 to	U	6.8	j	્રૄ-∵ૈં53	U	4.7	U	47	U "
METHOXYCHLOR	200	U	24	U	270	U	24	U	240	U
NDRIN KETONE	40	U	19	J	90	J = Sg	4.9	J	47	U
≟NDRIN ALDEHYDE	40	U .	4.8	U	53	U	4.7	U	47	U
-ALPHA-CHLORDANE	20 يورون	U	2.4	U	_{3,3,54} ,50	ن الله الله الله الله الله الله الله الل	进业业 2.4	U		U
GAMMA-CHLORDANE	20	U	2.4	U	27	U	2.4	U	24	U
TOXAPHENE	2000	U	240	U	2700	U	240	U	2400	U
AROCLOR-1016	400	U	48	U	530	υ	47	υ	470	Ü
AROCLOR-1221	810	U	96	U	1100	ָ ט		U	950	U
AROCLOR-1232	400	U	48	U	530	U	47	U	470	U
AROCLOR-1242	400	U	48	U	530	U	47	U	470	U ¹
AROCLOR-1248	400	U	48	U	530	Ü	47	U	470	U
AROCLOR-1254	400	U	ે 48	U	530	U	47	U	470	υ
AROCLOR-1260	400	U	48	U	530	U	47	U	470	υ

#### Analytical Results (Qualified Data)

Case #: 32839

SDG: E0074

Site:

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC

John Walton

Reviewer : Date :

Sample Number :	E0094	-	E0095		E0095DL		E0096		E0097	
Sampling Location :	X134		X135		X135		X112		X130	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:			ug/Kg		ug/Kg		ug/Kg		ug/Kg	
	ug/Kg 5/6/2004	•	5/6/2004		5/6/2004		5/6/2004		5/6/2004	
Date Sampled :					12:05		13:50		14:25	
Time Sampled :	11:05		12:05							
%Moisture :	37		29		29		35		35	
pH:	5.6		6.5		6.5		7.1		6.9	
Dilution Factor :	1.0		1.0	ы —.	10.0	T	1.0	<del></del>	1.0	· -
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	2.7	U	2.4	U 7	24	U	2.6	U	2.6	U* /
BETA-BHC	2.7	U	2.4	U	24	U	2.6	U	2.6	U
DELTA-BHC	2.7	U	2.4	U		บ	2.6	U	2.6	U
GAMMA-BHC (LINDANE)	2.7	U .	2.4	U	24	U	2.6	U	2.6	U
HEPTACHLOR	2.7	U	2.4	U	24	U	2.6	U STATE	. 2.6	U
ALDRIN	2.7	U	2.4	U	24	U	2.6	U	2.6	U
HEPTACHLOR EPOXIDE	2.7	U	- 2.4	U	24	U	2.6	U	7.11	J. Jak
ENDOSU1FAN I	2.7	U	2.4	U	24	U	2.6	U	2.6	υ
DIELDRIN	5.2	U	4.6	U	46	Ú	5.0	U	5.0	U
4,4'-DDE	5.2	U	4.6	U	46	U	5.0	υ	11	J
ENDRIN	5.2	U	4,6	U	46	U	5.0	U.	5,0	U
ENDOSULFAN II	5.2	Ü	4.6	U	46	U	5.0	Ü	5.0	U
4,4'-DDD	5.2	υ	4.6	U	46.	U	5.0	U	5.0	U
ENDOSULFAN SULFATE	5.2	U	4.6	U.	46	U	5.0	U	5.0	U
4,4'-DDT	5.2	υ	4.6	U	46 <u>1954 1954</u>	U	5.0	U	5.0	U
METHOXYCHLOR	27	U	24	U	240	U	26	U	26	U
ENDRIN KETONE	6.3	J	7,6	J E	46	U	5.0	U.	35	James
ENDRIN ALDEHYDE	5.2	U	4.6	U	46	U	5.0	U	5.0	U
ALPHA-CHLORDANE	1. 7-K 2.7	υ ,	2.4	. ບຸ	24	U: 24	2.6	U	3.3	J
GAMMA-CHLORDANE	2.7	U	2.4	U	24	U	2.6	U	2.6	U
TOXAPHENE	270	U	240	U	2400	U	260	U	260	U
AROCLOR-1016	52	U	46	U	460	U	50	U	50	U
AROCLOR-1221	110	U	94	ט 🖫	.940	U	100	U	100	U
AROCLOR-1232	52	U	46	U	460	U	50	U	50	U ·
AROCLOR-1242	52	U	46	U	460	្រ ៊ី	50	U	50	u 🗦
AROCLOR-1248	52	บ	46	U	460	U	50	U	50	U
AROCLOR-1254		U	46	U	460	U	- 50	บ	50	U
AROCLOR-1260	52	U	46	U	460	U	50	U	50	U
713.02.011.12.00	· · · · · · · · · · · · · · · · · · ·	ئــــــــــــــــــــــــــــــــــــــ			700	<u> </u>			30	٦

#### Analytical Results (Qualified Data)

Case #: 32839

SDG : E007

Site:

U.S. STEEL CORP JOLIET WORKS

Lab. : Reviewer : CEIMIC

Date:

John Walton 06/17/04

Sample Number :	E0097DL		PBLK01		PBLK02					
Sampling Location :	X130				:					
Matrix:	Soil		Soil		Soil					
Units:	ug/Kg		ug/Kg		ug/Kg	,				
Date Sampled :	5/6/2004									
Time Sampled :	14:25									
%Moisture :	35		N/A		N/A					
pH:	6.9									
Dilution Factor :	10.0		1.0		1.0					
Pesticide/PCB Compound -	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	26	U	1-第四章 <b>1.7</b> 。	U 🔩	1.7	U/j		, personal	are in the	
BETA-BHC	26	U	1.7	U	1.7	U	magnipus de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de l			
DELTA-BHC	26	U 🧓	1.7	U	1.7	U		aran T		
GAMMA-BHC (LINDANE)	26	U	1.7	U	1.7	U	. 500			
HEPTACHLOR	26	υ ;	1.7	U	1.7	U	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA		artes de la company	Part Control
ALDRIN	26	U	1.7	U	1.7	U		1256	512 1 JA	
HEPTACHLOR EPOXIDE	26	U	1.7	U	1.7	U	- rodinario Calindo	120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 120 (200 mm) 12	- 6L-1505	
ENDOSU1FAN I	26	U	1.7	U	1.7	U	in the payoners of State (in )	د د این وجو	t i di taket	
DIELDRIN	50	U	3.3	U	ે. ⊹ુ∵ે 3,3	U				
4,4'-DDE	50	U	3.3	U	3.3	U	The supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and supplemental and su	- 14 tags 28	الأعدوة الرحوانين المراجعات	
ENDRIN	50	U	3.3	U	3.3	U		100	ం సంకటణం ఏకోమే	
ENDOSULFAN II	50	U	3.3	U	3.3	U Julian	Contain Bar William	. tar .		
4,4'-DDD	50 رازخت	U	3.3	U	3.3	U		1000	in the more	
ENDOSULFAN SULFATE	50	U United to	3.3	U	3.3	U U	- Andria Salage when the year	· · · \limingaria	and the same may be seen to probe	
4,4'-DDT	50		3.3	U	3.3		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	12 (47)		
METHOXYCHLOR	260 50	U U	17		17	U U				1
INDRIN KETONE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE	50 50	U	3.3 3.3	U. Jái: U	3.3 3.3	U 🍇		-		
ALPHA-CHLORDANE	30 26	U ·	1.7	U K	3.3	11 13%		r State		
GAMMA-CHLORDANE	26 26	U.	1.7	U	1.7	U		e militar	and wall the artist	1,37%
TOXAPHENE	2600	U.	170	U		บ	April 100 may			
AROCLOR-1016	500	U. ",	33	l u	33	U	1476, 6774 54, PAPA 1201	- 412742	TO THE SANDEL BY TO	
AROCLOR-1221	1000	ָ ער אינו	67	و س	67	n 20 50		1.945.45	i kişi ilkeliβkçe <b>y</b> vi	
AROCLOR-1232	500	U	33	ľ	33	U		20.00	erice of the	
AROCLOR-1242	500	ŭ . 🕾	33	Ū	33	U	Tool Chairman All States	حاد <b>السمر</b> . الأراث		
AROCLOR-1248	500	U	33	U	33	U	new yr din der dd y flew	i saar Pe		1
AROCLOR-1254	500	u	33	Ū	33	ַ עַ		Lines The last		
AROCLOR-1260	500	U	33	U	33	Ü	ashadanan Tunkilitik	Dimini	l sakura asibbi.	1

### Regional Transmittal Form

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

DATE:			
SUBJECT:	Review of Data  Received for Review on   -28-04		
FROM:	Stephen L. Ostrodka, Chief (SMF-4J) Superfund Field Services Section		
TO:	Data User: 1EPA	<del></del>	
	ewed the data for the following case:	- 17	(
SITE NAME:	US STEEL COPP. JOLIET	- Works	(L)
CASE NUME	BER: 32839	SDG NUMBER:_	E0074
Number and T	Type of Samples: 19 (WATER)		
Sample Numb	ers: <u>Edn 74-76</u> , 82-97		
Laboratory:	CEINIC	Hrs for Review: _	
Following are	our findings:		

CC: Howard Pham Region 5 TPO

Mail Code: SM-5J

8	 1

# USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Re. and

1		CONTRACTOR CONTRACTOR CONTRACTOR OF THE CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONT		
	Case No:	32839		
	DAS No:		Tie.	
	ł .			

	•			2004	1/E00 14
Date Shipped:	5/4/2004	Chain of Custody Record	Sampler Signature Janus M. Salet	For Lab Use Only	/
Carrier Name:	UPS	Relinquished By (Date / Time)	Received By (Date / Time)	Lab Contract No:	68W03018
Airbill: Shipped to:	1Z6215892210023189 Ceimic Corporation	1 Du label 5/4/04/1730	Elizaleth Astrica 05/05/04	Unit Price:	D/3
Ompped to.	10 Dean Knauss Drive Narragansett RI 02882	2 /7 / EA		Transfer To:	EA
	(401) 782-8900	3 05/0	5704	Lab Contract No:	\$70570v
		4		Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE CO DATE/TIM		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0072	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-217484 (Ice Only) (1)	X119	S: 5/4/2004	14:30	ME0072 ~	EA °57
E0073 <b>★</b>	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-217488 (Ice Only) (1)	X118	S: 5/4/2004	15:00	ME0073	3/05/04
E0074	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-217492 (Ice Only) (1)	X117	S: 5/4/2004	16:00	ME0074	

+= last sample in SDG E0041

OF 105104 COPY
Original Documents are included in CSF

<u>₩</u>

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: E0072	Additional Sampler Signature(s):  A 05/05/04	Cooler Temperature Upon Receipt: 5°C	Chain of Custody Seal Num	ber:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	,	Custody Seal Intact? <u>√</u>	Shipment Iced?
VOA = CLP TCL Volatile	es				

TR Number: 5-314975591-050404-0003

LABORATORY COPY

### **USEPA Contract Laboratory Program Generic Chain of Custody**

3

L/G

Reference Case 32839

Client No:

SDG No: E0041

68W03018

FOR LAB USE ONLY

Sample Condition On Receipt

EA 05/05/04

Date Shipped:

5/4/2004

Carrier Name: **UPS** 

1Z6215892210023189

Shipped to:

E0074

Airbill:

Ceimic Corporation 10 Dean Knauss Drive

Narragansett RI 02882 (401) 782-8900

Chain of Custody Record Relinquished By

(Date / Time)

5-217493 (Ice Only) (1)

Received By

Sampler

Signature

05/05/04

(Date / Time) 05105104

S: 5/4/2004

SAMPLE COLLECT

DATE/TIME

Transfer To:

Unit Price:

Lab Contract No:

Lab Contract No:

For Lab Use Only

Unit Price:

14:30

15:00

16:00

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No.J PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE O
E0072	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-217485 (Ice Only) (1)	X119	S: 5/4/2004
E0073	Soil/Sediment/	L/G	PER SOL (21)	5-217489 (Ice Only) (1)	X118	S: 5/4/2004

PER SOL (21)

to = last sample in SDG E0041

Jim Salch

Jim Salch

Soil/Sediment/

COPY Original Documents are included in CSF F0041

X117

Additional Sampler Signature(s): Shipment for Case Sample(s) to be used for laboratory QC: Chain of Custody Seal Number: Cooler Temperature Complete?N Upon Receipt: 82860 5°C **Custody Seal Intact?** Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G Shipment Iced? PER_SOL = Percent Solids

TR Number:

5-314975591-050404-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs. Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 I

+703/264-9348 Fax 703/264-9222



Date Shipped:

Carrier Name:

Shipped to:

Airbill:

5/5/2004

1Z6215892210023198

Narragansett RI 02882 (401) 782-8900

Ceimic Corporation 10 Dean Knauss Drive

**UPS** 

### **USEPA Contract Laboratory Program** Organic Traffic Report & Chain of Custody Re. Id

**Chain of Custody Record** 

Relinquished By

3

4

Case No: 32839

DAS No:

SDG No: EOG

For Lab Use On

Lab Contract No:

Unit Price: Transfer To:

Lab Contract No:

Unit Price:

74		<u> </u>
ly		·
6	08W030	18
	D3	
\c:		
	05/06/0	
,	1006	4

							سحسب وسعماك		
ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COL DATE/TIM		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0075	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-217496 (Ice Only) (1)	X111	S: 5/5/2004	8:40	ME0075	
E0076	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-217500 (Ice Only) (1)	X113	S: 5/5/2004	8:40	ME0076	
E0082	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-66382 (Ice Only) (1)	X129	S: 5/5/2004	10:30	ME0082	
E0083	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-66386 (Ice Only) (1)	X126	S: 5/5/2004	11:45	ME0083	2
E0084	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-201354 (Ice Only) (1)	X126A	S: 5/5/2004	11:45	ME0084	6
E0085	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-201358 (Ice Only) (1)	X127	S: 5/5/2004	. 12:30	ME0085	E.
E0086	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-201362 (Ice Only) (1)	X144	S: 5/5/2004	16:10	ME0086	X
E0087	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-201366 (Ice Only) (1)	X138	S: 5/5/2004	14:45	ME0087	
E0088	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-201370 (Ice Only) (1)	X143	S: 5/5/2004	16:50	ME0088	

Sampler

(Date / Time)

Signature:

Received By

Hower State

(Date / Time)

705/00/04 0:00

merch. 00

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:		Cooler Temperature Upon Receipt: 4°	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? <u>V</u> Shipment Iced? <u>V</u>
VOA = CLP TCL Vo	latiles			

TR Number:

5-314975591-050504-0003



Airbill:

### **USEPA Contract Laboratory Program Generic Chain of Custody**

3

Reference Case 32839

Client No:

SDG No: E0074

68W03018

Date Shipped: 5/5/2004 Carrier Name:

**UPS** 

1Z6215892210023198

Ceimic Corporation Shipped to: 10 Dean Knauss Drive

Narragansett RI 02882 (401) 782-8900

Chain of Custody Record	Sampler Signature: Tames	Falch
Relinquished By (Date / Time)	Received Bý	(Date / Time)

05/06/04

Unit Price:

For Lab Use Only

Transfer To:

Lab Contract No:

Lab Contract No:

Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
E0075	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-217497 (Ice Only) (1)	X111	S: 5/5/2004	8:40	
E0076	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-066363 (Ice Only) (1)	X113	S: 5/5/2004	8:40	1
E0082	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-66383 (Ice Only) (1)	X129	S: 5/5/2004	10:30	
E0083 .	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-201351 (Ice Only) (1)	X126	S: 5/5/2004	11:45	S
E0084	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-201355 (Ice Only) (1)	X126A	S: 5/5/2004	11:45	X Co
E0085	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-201359 (Ice Only) (1)	X127	S: 5/5/2004	12:30	Xec
E0086 -	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-201363 (Ice Only) (1)	X144	S: 5/5/2004	<b>16:10</b>	
E0087	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-201367 (Ice Only) (1)	X138	S: 5/5/2004	14:45	
E0088	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-201371 (Ice Only) (1)	X143	S: 5/5/2004	16:50	

A.w.A 0

Shipment for Case	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature	Chain of Custody Seal Number:
Complete?N	EA 05/0	6 loy	Upon Receipt: 4°C	82862
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? V Shipment Iced? V
PER_SOL = Percent So	lids			

TR Number: 5-314975591-050504-0001



# USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Record

Case	No:	32839

DAS No:

SDG No: E0074

L

For Lab Use Only **Chain of Custody Record** Date Shipped: 5/6/2004 Signature 68W03018 **UPS** Carrier Name: (Date / Time) (Date / Time) Received By Relinquished By // Lab Contract No: 05/07/04 1Z6215892210023232 Airbill: Unit Price: 10:00 Shipped to: Ceimic Corporation 10 Dean Knauss Drive Transfer To: 05/07/ Narragansett RI 02882 05/07/04 (401) 782-8900 Lab Contract No: Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLL DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0075	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-217498 (Ice Only) (1)	X111	S: 5/5/2004	8:40	ME0075	
E0076	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-66364 (Ice Only) (1)	X113	S: 5/5/2004	8:40	ME0076	2/
E0082	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-66384 (Ice Only) (1)	X129	S: 5/5/2004	10:30	ME0082	A
E0083	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-201352 (Ice Only) (1)	X126	S: 5/5/2004	11:45	ME0083	_\
E0084	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-201356 (Ice Only) (1)	X126A	S: 5/5/2004	11:45	ME0084	10
E0085	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-201360 (Ice Only) (1)	X127	S: 5/5/2004	12:30	ME0085	(>)
E0086	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-201364 (Ice Only) (1)	X144	S: 5/5/2004	16:10	ME0086	La La
E0087	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-201368 (Ice Only) (1)	X138	S: 5/5/2004	14:45	ME0087	
E0088	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-201372 (Ice Only) (1)	X143	S: 5/5/2004	16:50	ME0088	`
E0089	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201374 (Ice Only), 5-201376 (Ice Only) (2)	X114	S: 5/6/2004	7:45	ME0089	

			<del></del>		
Shipment for Case	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature	Chain of Custody Seal Num	ber:
Complete?N	EA 05/07/0	4	Upon Receipt: 6°C	82865	
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? <u>V</u>	Shipment Iced? 🗸
BNA/PEST = CLP	TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Vol	latiles			

TR Number: 5-314975591-050604-0003

LABORATORY COPY

9	E	P	
-			

# **USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Record**

Case No:	32839	_
DAS No:		
SDG No: FO	074	<u>L</u>

					20011	
Γ	Date Shipped:	5/6/2004	Chain of Custody Record	Sampler Signature: And Maron	For Lab Use Only	
Ì	Carrier Name:	UPS	Relinquished By / (Date / Time)	Received By (Date / Time)	Lab Contract No:	68W03018
l	Airbill:	1Z6215892210023232	Bu lable 3/6/04/1600	Elizaleth Sting 10:01	Unit Price:	DIB
	Shipped to:	Ceimic Corporation 10 Dean Knauss Drive	2 EN	CHROCO P Staying 10.0	Transfer To:	EA
		Narragansett RI 02882 (401) 782-8900	3	05/07/04	Lab Contract No:	05/07/
			4	7	Unit Price:	toy
3	OBCANIC	MATRIX/ CONC.	ANALYSIS/ TAG No./	STATION SAMPLE COL	LECT INORGANIC	FOR LAB USE ONLY

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COL DATE/TIM		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0090	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201378 (Ice Only), 5-201380 (Ice Only) (2)	X116	S: 5/6/2004	8:30	ME0090	_
E0091	Soil/Sediment/ Paul Mason	H/G	BNA/PEST (21), VOA (21)	5-201382 (Ice Only), 5-201384 (Ice Only) (2)	X142	S: 5/6/2004	9:15	ME0091	Car
E0092	Soil/Sediment/ Paul Mason	H/G	BNA/PEST (21), VOA (21)	5-201388 (Ice Only),	X140	S: 5/6/2004	9:45	ME0092	
E0093	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201394 (Ice Only) (3) 5-201390 (Ice Only), 5-201392 (Ice Only) (2)	X133	S: 5/6/2004	10:30	ME0093	
E0094	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201395 (Ice Only), 5-201397 (Ice Only) (2)	X134	S: 5/6/2004	11:05	ME0094	
E0095	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201399 (Ice Only), 5-201415 (Ice Only) (2)	X135	S: 5/6/2004	12:05	ME0095	\ <u>\</u>
E0096	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201417 (Ice Only), 5-201419 (Ice Only) (2)	. X112	S: 5/6/2004	13:50	ME0096	
E0097	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201421 (Ice Only), 5-201423 (Ice Only) (2)	X130	S: 5/6/2004	14:25	ME0097	

Shipment for Case	Sample(s) to be used for laboratory QC. Ad	lditional Sampler Signature(s):	Cooler Temperature	Chain of Custody Seal Number:
Complete?N	EA 0570	7/04	Upon Receipt: 6°C	82865
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? V Shipment Iced? V
BNA/PEST = CLP T	CL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volati	iles		

TR Number:



# **USEPA Contract Laboratory Program Generic Chain of Custody**

Reference Case 32839	, · · · .	
Client No:		
SDG No: FOOTH		<u></u>

·	· ·		1		
Date Shipped:	5/6/2004	Chain of Custody Record	Sampler Signature; and More	For Lab Use O	nly
Carrier Name:	UPS	Relinquished By / / // (Date / Time),		/ Time) Lab Contract No:	68W03018
Airbill:	1Z6215892210023232	1 Den lifell 5/6/04/1600	Eliza Peter Astria	05/01/04 0 10:00 Unit Price:	D13
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive	2 EN	- 1300	Transfer To:	A3
	Narragansett RI 02882 (401) 782-8900	3	05/07/04	Lab Contract No:	05/07/
		4		Unit Price:	You
	MATRIXI CONCI	ANALYSIS/ TAG No./	STATION	SAMPLE COLLECT	FOR LAB USE ONLY

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COL DATE/TIM		FOR LAB USE ONLY Sample Condition On Receipt
E0089	Soil/Sediment/ Paul Mason	L/G	PER_SOL (21)	5-201375 (Ice Only) (1)	X114	S: 5/6/2004	7:45	
E0090	Soil/Sediment/ Paul Mason	L/G	PER_SOL (21)	5-201379 (Ice Only) (1)	X116	S: 5/6/2004	8:30	
E0091	Soil/Sediment/ Paul Mason	H/G	PER_SOL (21)	5-201383 (1)	X142	S: 5/6/2004	9:15	00
E0093	Soil/Sediment/ Paul Mason	L/G	PER_SOL (21)	5-201391 (Ice Only) (1)	X133	S: 5/6/2004	10:30	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
E0094	Soil/Sediment/ Paul Mason	L/G	PER_SOL (21)	5-201396 (Ice Only) (1)	X134	S: 5/6/2004	11:05	Jor
E0095	Soil/Sediment/ Paul Mason	L/G.	PER_SOL (21)	5-201400 (Ice Only) (1)	X135	S: 5/6/2004	12:05	
E0096	Soil/Sediment/ Paul Mason	L/G	PER_SOL (21)	5-201418 (Ice Only) (1)	X112	S: 5/6/2004	13:50	
E0097	Soil/Sediment/ Paul Mason	L/G	PER_SOL (21)	5-201422 (Ice Only) (1)	X130	S: 5/6/2004	14:25	

Type/Designate: Composite = C, Grab = G

Chain of Custody Seal Number: Additional Sampler Signature(s): Cooler Temperature Shipment for Case Sample(s) to be used for laboratory QC: 05/07/04 Upon Receipt: **^** 0 Complete?N 82865 **Custody Seal Intact?** 

PER_SOL = Percent Solids

Analysis Key:

·10

Concentration: L = Low, M = Low/Medium, H = High

LABORATOR

Shipment iced?

#### **SDG** Narrative

The enclosed data package is in response to USEPA, Region V, Case No. 32839, and SDG No. E0074, Contract No. 68-W-03-018. Under this SDG there are 21 VOA, 21 SVOA and 21 PEST/PCB samples received at Ceimic Corporation on May 5, 6 and 7, 2004.

EPA ID:	CEIMIC ID:	Analysis
E0074	040369-01	VOA, SVOA, PEST/PCB
E0075	040369-02	VOA, SVOA, PEST/PCB
E0076	040369-03	VOA, SVOA, PEST/PCB
E0082	040369-04	VOA, SVOA, PEST/PCB
E0083	040369-05	VOA, SVOA, PEST/PCB
E0084	040369-06	VOA, SVOA, PEST/PCB
E0085	040369-07	VOA, SVOA, PEST/PCB
E0086	040369-08	VOA, SVOA, PEST/PCB
E0086MS	040369-08MS	VOA, SVOA, PEST/PCB
E0086MSD	040369-08MSD	VOA, SVOA, PEST/PCB
E0087	040369-09	VOA, SVOA, PEST/PCB
E0088	040369-10	VOA, SVOA, PEST/PCB
E0089	040369-11	VOA, SVOA, PEST/PCB
E0090	040369-12	VOA, SVOA, PEST/PCB
E0091	040369-13	VOA, SVOA, PEST/PCB
E0092	040369-14	VOA, SVOA, PEST/PCB
E0093	040369-15	VOA, SVOA, PEST/PCB
E0094	040369-16	VOA, SVOA, PEST/PCB
E0095	040369-17	VOA, SVOA, PEST/PCB
E0096	040369-18	VOA, SVOA, PEST/PCB
E0097	040369-19	VOA, SVOA, PEST/PCB

## (1) Sample Receipt

Cooler Temperatures upon receipt were 4°C, 5°C and 6°C.

# (2) Instrumentation and Column Identification

The following instruments were used for the analyses:

#### **GC/ECD Analysis**

#### A. VOA

MS15 HP5972 GC/MS, 30m, 0.25mm ID, 1.4 um, DB-624 capillary column. OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

#### B. SVOA

MS4 HP5890SeriesII GC, HP5970BMS,30 m,0.25 mm ID, ZB-5 fused silica capillary column

MS10 HP5890SeriesII GC, HP5970BMS,30 m,0.25 mm ID, ZB-5 fused silica capillary column

MS11 HP6890 GC, HP5973MS,30 m,0.25 mm ID, ZB-5 fused silica capillary column

#### C. PEST/PCB

AD8: HP5890II (GC7) using 30m x 0.53mm ID, DB5 megabore column

AD9: HP5890II (GC7) using 30m x 0.53mm ID, DB1701 megabore column

#### (3) Sample Information

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letter "M" for GC/MS and for GC is used on the raw data of the quantitation report whenever a manual integration is performed. Manual integrations are performed on GC/MS and GC standards and samples when computer generated integration picks up only a portion of the chromatographic peak, due to software limitations. When manual integrations are required, these integrations are performed using sound defensible professional judgment, in order to report accurate data. Each manual integration is signed and dated, and reviewed by both the lab supervisor and the GC/MS Interpretation Specialist for GC/MS or the Organic Lab Manager for Pest/PCB.

# A. VOA Fraction (Method CLP SOW OLM04.3)

The %moistures of the soil samples were:

Client ID:         Ceimic ID:           E0074         040369-01           E0075         040369-02	%M: 9 35 59
	35
E0075	
E0075 040369-02	59
E0076 040369-03	
E0082 040369-04	13
E0083 040369-05	25
E0084 040369-06	24
E0085 040369-07	8
E0086 040369-08	19
E0087 040369-09	23
E0088 040369-10	28
E0089 040369-11	7
E0090 040369-12	15

E0091	040369-13	29
E0092	040369-14	37
E0093	040369-15	22
E0094	040369-16	24
E0095	040369-17	30
E0096	040369-18	34
E0097	040369-19	53

Sample E0086 was designated as the QC sample on the Chain of Custody received for the volatile fraction; however, on the COC received for the BNA and the PEST/PCB no sample was designated. SMO was contacted and directed Ceimic to also use sample E0086 for the BNA and PEST/PCB QC.

Manual quantitations were performed on one or more of the process files associated with this SDG, including sample E0088.

### B. SVOA Fraction (Method CLP SOW OLM04.3)

The pH and %moisture of the soil samples were:

Client ID:	Ceimic ID:	pН	%M
E0074	040369-01	8.6	16
E0075	040369-02	6.4	29
E0076	040369-03	4.0	19
E0082	040369-04	9.4	11
E0083	040369-05	5.0	23
E0084	040369-06	5.4	24
E0085	040369-07	8.1	14
E0086	040369-08	7.7	17
E0087	040369-09	7.1	27
E0088	040369-10	5.9	22
E0089	040369-11	8.0	-6
E0090	040369-12	7.5	17
E0091	040369-13	7.0	31
E0092	040369-14	6.7	38
E0093	040369-15	5.6	30
E0094	040369-16	5.6	37
E0095	040369-17	6.5	29
E0096	040369-18	7.1	35
E0097	040369-19	6.9	35

The following samples were analyzed as Medium Level Solids:

Client ID:	Ceimic ID:
E0082	040369-04
E0087	040369-09

E0088	040369-10
E0091	040369-13
E0092	040369-14
E0093	040369-15
E0097	040369-19

Due to the results of a screen, the following samples were analyzed at a dilution:

Client ID:	Ceimic ID:	Dilution:
E0076	040369-03	5:1
E0083	040369-05	5:1
E0084	040369-06	5:1
E0088	040369-10	10:1
E0092	040369-14	10:1
E0094	040369-16	2:1

Manual quantitations were performed on one or more of the process files associated with this SDG, including samples E0074, E0075, E0076, E0082, E0085, E0086, E0087, E0088, E0091, E0092, E0095, and E0097. In E0074, E0075, E0076, E0083, E0085, and E0095, TICs were identified as 2methylnaphthalene, benzo(k)fluoranthene, indeno(1,2,3)-cd)pyrene, dibenzo(g,h,I)perylene, TCL analytes. These TICs were not at the correct retention times for the TCL analytes, which were reported as hits for the samples. These TICs have been left with that assessment name because the contract specifically states that TICs above 85% purity should be assessed as the CAS assessment (exempting alkanes), [page D-46/SVOA; section 11.1.2.5.6]. The Relative Percent Difference (RPD) of pyrene was flagged as an outlier in the comparison of the Medium Level Solid duplicate matrix spikes.

#### C. PEST/PCB Fraction (Method CLP SOW OLM04.3)

All samples were extracted and analyzed within their respective holding times.

The following samples contained target analytes at concentrations above the linearity range of the initial calibration. They were diluted and re-analyzed:

Sample	<b>Dilution Factor</b>
E0076	10
E0082	10
E0083	10
E0084	10
E0087	10
E0088	10
E0090	10
.E0093	10
E0095	10

E0097 10

The following Surrogate recoveries were outside the QC limits:

Sample	% TCX 1	% TCX 2	% DCB 1	% DCB 2
E0076			169	
E0087			8	
E0088	165			
E0090			24	
E0092				810
E0091	•			153

No other non-compliances were noted.

#### **Deviations from the SOW**

None other than specified above.

End of SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Ines Bauer, Ph.(D)
Laboratory Manager

Date

# ALKANE NARRATIVE REPORT Report date : 05/26/2004 SDG: E0074

Client Sample ID: E0074	Lab Sample ID: 040369-01 RT Est. Conc.	File ID: DH288	8
Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Branched Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane	8.31 140 9.06 120 9.49 190 9.76 200 10.42 210 10.69 150 11.00 380 11.47 280 11.92 260 12.32 210	נהרהרהרה	
Compound	Lab Sample ID: 040369-08 RT Est. Conc.	Q 	C
Unknown Branched Alkane Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane	9.49 400 10.42 120 11.00 210 11.49 220 11.93 170 12.34 230 12.71 100 13.06 190 13.40 82 13.74 180 14.93 120	J J J J J J J J J J J J J J J J J J J	
Client Sample ID: E0083 Compound	Lab Sample ID: 040369-05 RT Est. Conc.	File ID: DH293	3
Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane	7.53 970 8.32 1600 8.88 1000 9.06 2000 9.49 3300 9.77 2400 10.43 2400 10.69 1400 11.00 4600 11.49 950 11.94 1900 12.34 2200 12.72 1000	, , , , , , , , , , , , , ,	

Unknown	Straight	Chain	Alkane	16.62	830	J
Unknown	Straight	Chain	Alkane	17.36	1400	J

Compound	ID: E0084			RT	Est Conc	. 0		DH294
Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Branched Unknown Branched Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight	Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane			6.72 7.53 9.03 9.49 9.71 10.42 11.03 11.94 12.35 12.73 13.71 14.96 16.63	1200 1300 1900 7 2500 9 4000 7 3200 2 3000 1700 5100 1100 3400 3100 1400 1700 2 2300 7 1800 1300 2 2200 3 1300 1700	טטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט		
Client Sample Compound	ID: E0087	Lab	Sample	ID: RT	040369-09 Est. Conc.	File Q	ID:	K8411
Unknown Branched								
Compound	ID: E0088			RT	Est. Conc.	Q		K8414
Unknown Branched Unknown Straight Unknown Branched Unknown Branched Unknown Branched	Alkane Chain Alkane Alkane Alkane			6.64 8.17 8.42	110000 150000 2 260000 3 190000 79000	J J J		
Client Sample Compound	ID: E0091	Lab	Sample	ID: RT	040369-13 Est. Conc.	File Q	ID:	K8416
Unknown Branched Unknown Straight	Alkane Chain Alkane			8.42	6500	J		
Client Sample Compound	ID: E0093	Lab	Sample	ID: RT	040369-15 Est. Conc.	File	ID:	K8417
Unknown Branched	Alkane			8.41	. 2700	J	_	
Client Sample Compound	ID: E0097	Lab	Sample	ID: RT	040369-19 Est. Conc.	File Q	ID:	K8418

-	-	-	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	-	_	_	-	_	_	_	_	_	 -	_	_	_	_
			*				7	6		O	7								3	6	0	0							T		

Client Sample ID: SBLKJW Compound	Lab Sample ID: MS0513-B4J RT Est. Conc.	File ID: JL243 Q
Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane	16.04 5300 17.43 16000 19.35 8400	J J J
Compound	Lab Sample ID: 040369-07 RT Est. Conc.	$\circ$
Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane	7.63 160 8.40 200 10.49 590 11.07 350 11.52 250 11.57 160 12.35 200 12.70 130 13.04 110 13.37 460 13.72 330 14.08 360 14.46 350 15.39 590 15.94 510	J J J J J J J J J J J J J J J
Compound	Lab Sample ID: 040369-11 RT Est. Conc.	Q
Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Branched Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane Unknown Straight Chain Alkane	9.84       140         10.48       290         11.52       630         11.58       220         11.71       120         11.96       1000         12.13       190         12.21       200         12.35       780         12.50       190         12.71       840         12.85       340         13.05       640         13.38       430         13.73       310         13.77       210         13.86       390         14.09       570	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Compound	Lab Sample ID: 040369-16 RT Est. Conc.	Q 
Unknown Straight Chain Alkane Unknown Straight Chain Alkane	9.59 1300	J

Unknown Cyclic Alkane

Unknown Straight Unknown Straight Unknown Straight	Chain Alkane Chain Alkane Chain Alkane	11.08	Г Г
Client Sample Compound	ID: E0095	Lab Sample ID: 040369-17 File	: ID: JL250
Unknown Straight Unknown Straight Unknown Straight Unknown Branched	Chain Alkane Chain Alkane Chain Alkane Alkane	15.96 800 J 17.35 620 J 17.87 510 J 19.27 590 J	. <del></del>
Client Sample Compound	ID: E0096	Lab Sample ID: 040369-18 File	ID: JL251
OTHEROWIT DEGREE	Chain Alkane Alkane Alkane Chain Alkane Chain Alkane	12.73 230 J 12.85 170 J 13.07 460 J 13.40 200 J 13.75 210 J	<del></del>
Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Branched Unknown Straight Unknown Branched Unknown Straight Unknown Straight	Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Alkane Chain Alkane	14.11 570 J 14.51 180 J 14.94 470 J 15.99 770 J 16.28 120 J 16.63 120 J 17.39 1500 J 17.90 110 J 19.31 1400 J 21.96 530 J	
Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Straight Unknown Branched Unknown Straight Unknown Branched Unknown Branched Client Sample	Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Chain Alkane Alkane Chain Alkane Alkane Thain Alkane Alkane ID: E0092	14.51 180 J 14.94 470 J 15.99 770 J 16.28 120 J 16.63 120 J 17.39 1500 J 17.90 110 J 19.31 1400 J	ID: JL252

# ALKANE NARRATIVE REPORT Report date: 05/25/2004 SDG: E0074

Client Sample ID: E0088	RT	040369-10 Est. Conc.	File ID: Q	OG230
Cyclic Alkane Branched Alkane Cyclic Alkane Branched Alkane Branched Alkane Branched Alkane Cyclic Alkane Cyclic Alkane Cyclic Alkane Branched Alkane Branched Alkane Branched Alkane Branched Alkane Branched Alkane Branched Alkane Cyclic Alkane Branched Alkane Branched Alkane Branched Alkane Cyclic Alkane Branched Alkane Cyclic Alkane Branched Alkane Cyclic Alkane Cyclic Alkane Cyclic Alkane Cyclic Alkane Cyclic Alkane	15.53 15.90 16.02 16.11 16.36 16.47 16.91 17.09 17.40 17.56 17.63 17.84 18.01 18.20 18.26 18.38 18.44 19.09	430 150 150 770 240 410 390 290 180 220 540	ממממממממממממממ	
Client Sample ID: VBLKOR Compound				: OG249
Straight-Chain Alkane				
Client Sample ID: E0091 Compound	Lab Sample ID:	040369-13 Est. Conc.	File ID:	OG256
Branched Alkane Cyclic Alkane Branched Alkane Branched Alkane Branched Alkane Cyclic Alkane		10 16 8 30 20		
Client Sample ID: E0093 Compound	Lab Sample ID:	040369-15 Est. Conc.	File ID:	OG257
Cyclic Alkane Branched Alkane	14.92 20.54	7 6	Ј Ј	
Client Sample ID: E0092 Compound	Lab Sample ID:	040369-14 Est. Conc.	File ID:	OG262
Cyclic Alkane Cyclic Alkane Cyclic Alkane Cyclic Alkane	11.58 12.36 13.44	97 88 95 100	J J J J	12

· ·			
Cyclic Alkane Cyclic Alkane Cyclic Alkane Cyclic Alkane Cyclic Alkane	13.65 14.06 14.91 15.00 15.07	130 77 130 95 130	JJJJ
Cyclic Alkane	15.68	66	J
Branched Alkane	15.88	260	J
Cyclic Alkane	16.01	240	J
Branched Alkane	16.45	87	J
Cyclic Alkane	16.66	190	J
Cyclic Alkane	17.07	150	J
Branched Alkane	17.61	110	J
Cyclic Alkane	17.99	150	J
Cyclic Alkane	18.85	. 79	J
Cyclic Alkane	19.65	100	J
Cyclic Alkane	21.10	77	J

#### 2B SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Level: (low/med) LOW

	EPA	SMC1	SMC2	SMC3	OTHER	TOT
	SAMPLE NO.	(TOL)#	(BFB)#	(DCE)#		OUT
	=======================================	1 ' 1	========	========	========	========
01	VBLKOQ	100	94	96		0
02	E0074	95	100	102		0
03	E0075	97	96	100		0
04	E0076	100	100	106		0
05	E0082	98	97	102		0
06	E0083	104	94	98		0
07	E0084	99	94	99		0
08	E0085	96	100	100		0
09	E0086	100	92	100		0
10	E0087	101	91	99		Ö
11	E0089	97	97	100		0
12	E0088	101	109	103		Ō
13	VBLKOR	110	100	106		0
14	E0086MS	107	103	107		0
15	E0086MSD	108	102	108		. 0
16	E0090	106	100	106		0
17	E0091	107	100	106		Ö
18	E0093	105	105	102		0
19	E0094	108	101	101		0
20	E0095	107	100	101		0
21	E0096	107	105	102		Ō
22	E0097	105	103	104		Ō
23	E0092	125	94	103		0
24	VBLKOU	98	100	102		0
25	VHBLK01	100	98	94		0
26						
27						
28						
29						
30						
					'	

QC LIMITS

SMC1 (TOL) = Toluene-d8

(84-138)

SMC2 (BFB) = Bromofluorobenzene

(59-113)

SMC3 (DCE) = 1,2-Dichloroethane-d4

(70-121)

* Values outside of contract required QC limits

[#] Column to be used to flag recovery values

# SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix Spike - EPA Sample No.: E0086 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	58	0.0	47	81	59-172
Trichloroethene	58	0.0	44	76	62-137
Benzene	58	0.0	51	88	66-142
Toluene	58	0.0	46	79	59-139
Chlorobenzene	58	0.0	43	74	60-133

COMPOUND	SPIKE ADDED	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LI RPD	MITS REC.
COMPOUND	(ug/Kg)	(ug/kg/		RFD #		======
1,1-Dichloroethene	52	41	79	. 3	22	59-172
Trichloroethene	52	39	75	1	24	62-137
Benzene	52	47	90	2	21	66-142
Toluene	52	42	81	3.	21	59-139
Chlorobenzene	52	40	77	4	21	60-133

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limit	S
------------------------------	---

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

		•	
COMMENTS:	•		
COMMITTIO.	 		

VBLKOQ

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839

SAS No.:

SDG No.: E0074

Lab File ID: OG210

Lab Sample ID: V150511-B2

Date Analyzed: 05/11/04

Time Analyzed: 1558

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS15

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
			=======================================	=========
01	E0074	040369-01	OG220	2122
02	E0075	040369-02	OG221	2153
03	E0076	040369-03	OG222	2224
04	E0082 ·	040369-04	OG223	2255
05	E0083	040369-05	OG224	2326
06	E0084	040369-06	OG225	2358
07	E0085	040369-07	OG226	0028
80	E0086	040369-08	OG227	0059
09	E0087	040369-09	OG228	0131
10	E0089	040369-11	OG229	0201
11	E0088	040369-10	OG230	0233
12				
13				
14				
15				
16				
17				
18				
19				
20	,			
21				
22		70.		
23				
24				<del></del>
25				
26				
27				
28				
29			<u>-</u>	<del></del>
30		4		
		1		

COMMENTS:		

page 1 of 1

FORM IV VOA

# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

	_
VBLKOR	
v Din core	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab File ID: OG249

Lab Sample ID: V150513-B1

Date Analyzed: 05/13/04

Time Analyzed: 1154

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS15

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	=========	===========	=======================================	========
01	E0086MS	040369-08MS	OG253	1411
02	E0086MSD	040369-08MSD	OG254	1442
03	E0090	040369-12	OG255	1514
.04	E0091	040369-13	OG256	1545
05	E0093	040369-15	OG257	1616
06	E0094	040369-16	OG258	1647
07	E0095	040369-17	OG259	1718
08	E0096	040369-18	OG260	1749
09	E0097	040369-19	OG261	1820
10	E0092	040369-14	OG262	1851
11				
12				
13				
14			•	
15				
16				
17				
18				
19				
20			·	
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:	

page 1 of 1

FORM IV VOA

VBLKOU

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839

SAS No.: SDG No.: E0074

Lab File ID: OG317

Lab Sample ID: V150518-B1

Date Analyzed: 05/18/04

Time Analyzed: 1036

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS15

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	VHBLK01	040369-21	OG320	1222
02	V1111110 1	0 10007 22		
03				
04				
05 06				
07				
08				
09				
10				
11 12				
13				
14				
15				
16				
17 18				
19				
20		· ·		,
21				
22				
23 24				
25				
26				
27				
28				
29				
3.0		<u> </u>		

COMMENTS:	
CO. II III. I C .	

page 1 of 1

FORM IV VOA

EPA SAMPLE NO.

E0074

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-01

Sample wt/vol: 6.2(g/mL) G

Lab File ID: OG220

Level: (low/med) LOW

Date Received: 05/05/04

% Moisture: not dec. 9

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

		1.0	Ū
75-71-8	Dichlorodifluoromethane	10	
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	. 10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ŭ ·
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	10	Ŭ
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 K	JB U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	Ŭ
78-93-3	2-Butanone	10	Ū
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cvclohexane	10	Ū
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	Ū
107-06-2	1,2-Dichloroethane	10	U

EPA SAMPLE NO.

E0074 Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-01

Sample wt/vol: 6.2(g/mL) G

Level: (low/med) LOW Date Received: 05/05/04

% Moisture: not dec. 9 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Aliquot Volume: (uL) Soil Extract Volume: (uL)

CONCENTRATION UNITS:

Lab File ID: OG220

(ug/L or ug/Kg) UG/KG Q CAS NO. COMPOUND

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	Ū
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	; J
124-48-1	Dibromochloromethane	10	J
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	Ù
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	Ū
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0074	
-------	--

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-01

Sample wt/vol: 6.2 (g/mL) G

Lab File ID: OG220

Level: (low/med) LOW

Date Received: 05/05/04

% Moisture: not dec. 9

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found:	L (u	g/L or ug,	/Kg) ug/Kg
CAS NUMBER	COMPOUND NAME	RT	EST. CON

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1. 556-67-2	1. 556-67-2 CYCLOTETRASILOXANE, OCTAMETH		1	NJ
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.		<del>.  </del>		
15. 16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.		· · · · ·		
27.				
28.				
29.				
30.				

FORM I VOA-TIC

EPA SAMPLE NO.

E0075
-------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-02

Sample wt/vol: 4.8(g/mL) G

Lab File ID: OG221

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 33

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

CAS NO. COMPOUND

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume:____(uL)

		1	TT
75-71-8	Dichlorodifluoromethane	16	U
74-87-3	Chloromethane	16	U
75-01-4	Vinyl Chloride	16	U .
74-83-9	Bromomethane	16	U
75-00-3	Chloroethane	16	U
75-69-4	Trichlorofluoromethane	3	J.
75-35-4	1,1-Dichloroethene	16	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16	U
67-64-1	Acetone	16	U
75-15-0	Carbon Disulfide	16	U
79-20-9	Methyl Acetate	16	Ŭ (
75-09-2	Methylene Chloride	16 78	JB4
156-60-5	trans-1,2-Dichloroethene	16	U
1634-04-4	Methyl tert-Butyl Ether	16	Ŭ
75-34-3	1,1-Dichloroethane	16	Ū
156-59-2	cis-1,2-Dichloroethene	16	U
78-93-3	2-Butanone	16	U
67-66-3	Chloroform	16	U
71-55-6	1,1,1-Trichloroethane	16	U
110-82-7	Cyclohexane	16	U
56-23-5	Carbon Tetrachloride	16	U
71-43-2	Benzene	16	U
107-06-2	1,2-Dichloroethane	16	Ŭ
	Language Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of t		

EPA SAMPLE NO.

E0075

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-02

Sample wt/vol: 4.8(g/mL) G

Lab File ID: OG221

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 33

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

79-01-6	Trichloroethene	3	J
		16	TT
108-87-2	Methylcyclohexane	16	Ü
78-87-5	1,2-Dichloropropane	16	Ū
75-27-4	Bromodichloromethane		U
10061-01-5	cis-1,3-Dichloropropene	16	
108-10-1	4-Methyl-2-Pentanone	16	U
108-88-3	Toluene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
79-00-5	1,1,2-Trichloroethane	16	U
127-18-4	Tetrachloroethene	16	U
591-78-6	2-Hexanone	16	U
124-48-1	Dibromochloromethane	16	U
106-93-4	1,2-Dibromoethane	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene ,	16	U
1330-20-7	Xylene (Total)	16	Ū
100-42-5	Styrene	16	U
75-25-2	Bromoform	16	U
98-82-8	Isopropylbenzene	16	Ū
79-34-5	1,1,2,2-Tetrachloroethane	16	U
541-73-1	1,3-Dichlorobenzene	16	U
106-46-7	1,4-Dichlorobenzene	16	U
95-50-1	1,2-Dichlorobenzene	16	Ŭ
96-12-8	1,2-Dibromo-3-chloropropane	16	U
120-82-1	1,2,4-Trichlorobenzene	16	U

Т	ENTATIVELY	IDENTIFIED	COMPOUNDS	E0075
Б.		Contract		

Lab	Name:	CEIMIC	CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-02

Sample wt/vol: 4.8 (g/mL) G

Lab File ID: OG221

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 33

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 1

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	=== ==================================	16.92	21	
2.	OTTOVOVEN BILLOZUEVE	10.52	<u></u>	2
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14. 15.				
16.				
17.		-		
18.				
19.		-		
20.				
21.				
22.		'	<u> </u>	
23.				
24.				
25.				
26.				
27.				<u> </u>
28.				
29.				
30.				

FORM I VOA-TIC

EPA SAMPLE NO.

E0076

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-03

Sample wt/vol: 3.7(g/mL) G

Lab File ID: OG222

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 59

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

75-71-8	Dichlorodifluoromethane	33	U
74-87-3	Chloromethane	33	U
75-01-4	Vinyl Chloride	33	Ū
74-83-9	Bromomethane	33	U
75-00-3	Chloroethane	33	Ū
75-69-4	Trichlorofluoromethane	33	U
75-35-4	1,1-Dichloroethene	. 33	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	33	U ·
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	16	J
79-20-9	Methyl Acetate	. 33	Ū.
75-09-2	Methylene Chloride	<i>33</i> 78	JB U
156-60-5	trans-1,2-Dichloroethene	33	U
1634-04-4	Methyl tert-Butyl Ether	33	U
75-34-3	1,1-Dichloroethane	33	U
156-59-2	cis-1,2-Dichloroethene	33	Ü
78-93-3	2-Butanone	33	IJ
67-66-3	Chloroform	33	U
71-55-6	1,1,1-Trichloroethane	33	U ·
110-82-7	Cyclohexane	33	U
56-23-5	Carbon Tetrachloride	33	U
71-43-2	Benzene	52	
107 06 2	1 2-Dichloroethane	33	TT

EPA SAMPLE NO.

E0076

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-03

Sample wt/vol: 3.7(g/mL) G

Lab File ID: OG222

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 59

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

•	·	
79-01-6	Trichloroethene	33 U
108-87-2	Methylcyclohexane	33 U
78-87-5	1,2-Dichloropropane	33 U
75-27-4	Bromodichloromethane	33 U
10061-01-5	cis-1,3-Dichloropropene	33 U
108-10-1	4-Methyl-2-Pentanone	33 U
108-88-3	Toluene	33 U
10061-02-6	trans-1,3-Dichloropropene	33 Ü
79-00-5	1,1,2-Trichloroethane	33 U
127-18-4	Tetrachloroethene	33 U
591-78-6	2-Hexanone	33 U
124-48-1	Dibromochloromethane	33 U
106-93-4	1,2-Dibromoethane	33 U
108-90-7	Chlorobenzene	33 U
100-41-4	Ethylbenzene	33 U
1330-20-7	Xylene (Total)	33 U
100-42-5	Styrene	33 U
75-25-2	Bromoform	33 U
98-82-8	Isopropylbenzene	33 U
79-34-5	1,1,2,2-Tetrachloroethane	33   Ü
541-73-1	1,3-Dichlorobenzene	33 U
106-46-7	1,4-Dichlorobenzene	33 Ü
95-50-1	1,2-Dichlorobenzene	33 U
96-12-8	1,2-Dibromo-3-chloropropane	33 U
120-82-1	1,2,4-Trichlorobenzene	33 U

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0076	
	1

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-03

Sample wt/vol: 3.7 (g/mL) G

Lab File ID: OG222

Level: (low/med)

LOW

Date Received: 05/06/04

% Moisture: not dec. 59

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	·Q
	UNKNOWN SILOXANE	16.92	34	.T
2.	Oldidaowid Dillozzara	10.52		
3.				
4.		,		-
5.				
6.				
7.				
8.				
9.				
10.	·	-		
11.				
12. 13.				·
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28. 29.				
30.				
JO.		<u> </u>		

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-04

Sample wt/vol: 4.6(g/mL) G

Lab File ID: OG223

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 13

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	Ū
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	Ū
75-00-3	Chloroethane	12	Ū
75-69-4	Trichlorofluoromethane	12	Ū
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	Ū
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12 8	JBU.
156-60-5	trans-1,2-Dichloroethene	12	Ū
1634-04-4	Methyl tert-Butyl Ether	12	U.
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	Ū
78-93-3	2-Butanone	12	Ū
67-66-3	Chloroform	12	Ū
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	Ū
56-23-5	Carbon Tetrachloride	12	Ū
71-43-2	Benzene	12	Ŭ
107-06-2	1,2-Dichloroethane	12	Ū

EPA SAMELE NO.

E0082

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-04

Sample wt/vol: 4.6(g/mL) G

Lab File ID: OG223

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 13

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	12	Ū
108-87-2	Methylcyclohexane	12	Ū
78-87-5	1,2-Dichloropropane	12	Ū
75-27-4	Bromodichloromethane	12	l J
10061-01-5	cis-1,3-Dichloropropene	12	Ū
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene		Ū
10061-02-6	trans-1,3-Dichloropropene	.12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	Ŭ
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (Total)	12	Ū
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	TI
95-50-1	1,2-Dichlorobenzene	12	1.1
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1 2 4-Trichlorobenzene	12	I TT

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0082 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-04

Sample wt/vol: 4.6 (g/mL) G

Lab File ID: OG223

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 13

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 1

CAS NUMBER:	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	16.91		NJ
2.				
3.				
4.				
5.				-
6. 7.		· · · · · · · · · · · · · · · · · · ·		
8.				
9.				
10.		·		
11.				
12.				
13.				
14.				
15.				
16.				ļ·
17.				
18. 19.				
20.		·		
21.				
22.		1.		
23.		•		<u> </u>
24.		<del> </del>		
25.				<u> </u>
26.				
27.				
28.				
29.				
30.		4		

EPA SAMPLE NO.

E0083

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

SDG No.: E0074

Lab Code: CEIMIC Case No.: 32839 SAS No.:

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-05

Sample wt/vol: 3.9(g/mL) G

Lab File ID: OG224

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 25

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	17	Ū
74-87-3	Chloromethane	17	Ū
75-01-4	Vinyl Chloride	17	U
74-83-9	Bromomethane	17	U
75-00-3	Chloroethane	. 17	U
75-69-4	Trichlorofluoromethane	17	IJ
75-35-4	1,1-Dichloroethene	17	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17	U
67-64-1	Acetone	17	Ū
75-15-0	Carbon Disulfide	17	Ū
79-20-9	Methyl Acetate	17	Ŭ ,
	26 1 1 1 (2)-1		TDY
75-09-2	Methylene Chloride	17 8	JBU.
156-60-5	trans-1,2-Dichloroethene	<i>17 8</i> 17	U
			U
156-60-5	trans-1,2-Dichloroethene	17	U
156-60-5 1634-04-4	trans-1,2-Dichloroethene Methyl tert-Butyl Ether	17 17	U
156-60-5 1634-04-4 75-34-3	trans-1,2-Dichloroethene Methyl tert-Butyl Ether 1,1-Dichloroethane	17 17 17	U U U
156-60-5 1634-04-4 75-34-3 156-59-2	trans-1,2-Dichloroethene  Methyl tert-Butyl Ether  1,1-Dichloroethane cis-1,2-Dichloroethene	17 17 17 17	U U U
156-60-5 1634-04-4 75-34-3 156-59-2 78-93-3	trans-1,2-Dichloroethene  Methyl tert-Butyl Ether  1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone	17 17 17 17 17	U U U U
156-60-5 1634-04-4 75-34-3 156-59-2 78-93-3 67-66-3	trans-1,2-Dichloroethene  Methyl tert-Butyl Ether  1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Chloroform	17 17 17 17 17 17	U U U U U
156-60-5 1634-04-4 75-34-3 156-59-2 78-93-3 67-66-3 71-55-6	trans-1,2-Dichloroethene  Methyl tert-Butyl Ether  1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Chloroform 1,1,1-Trichloroethane	17 17 17 17 17 17 17	U U U U U U
156-60-5 1634-04-4 75-34-3 156-59-2 78-93-3 67-66-3 71-55-6 110-82-7	trans-1,2-Dichloroethene  Methyl tert-Butyl Ether  1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Chloroform 1,1,1-Trichloroethane Cyclohexane	17 17 17 17 17 17 17 17	U U U U U U U

EPA SAMPLE NO.

E0083

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

SDG No.: E0074

Lab Code: CEIMIC Case No.: 32839 SAS No.:

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-05

Sample wt/vol: 3.9(g/mL) G

Lab File ID: OG224

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 25

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	17	U
108-87-2	Methylcyclohexane	17	U
78-87-5	1,2-Dichloropropane	17	U
75-27-4	Bromodichloromethane	17	Ŭ
10061-01-5	cis-1,3-Dichloropropene	17	U
108-10-1	4-Methyl-2-Pentanone	17	U
108-88-3	Toluene	17	· IJ
10061-02-6	trans-1,3-Dichloropropene	17	IJ
79-00-5	1,1,2-Trichloroethane	17	<u>U</u>
127-18-4	Tetrachloroethene	17	Ū
591-78-6	2-Hexanone	17	U
124-48-1	Dibromochloromethane	17	U
106-93-4	1,2-Dibromoethane	17	U
108-90-7	Chlorobenzene	17	U
1,00-41-4	Ethylbenzene	17	U
1330-20-7	Xylene (Total)	17	U
100-42-5	Styrene	17	U
75-25-2	Bromoform	17	U
98-82-8	Isopropylbenzene	17	U ·
79-34-5	1,1,2,2-Tetrachloroethane	17	U
541-73-1	1,3-Dichlorobenzene	17	U
106-46-7	1,4-Dichlorobenzene	17	U
95-50-1	1,2-Dichlorobenzene	17	U
96-12-8	1,2-Dibromo-3-chloropropane	17	U
120-82-1	1,2,4-Trichlorobenzene	17	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0083	
-------	--

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-05

Lab File ID: OG224

Sample wt/vol: 3.9 (g/mL) G

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 25

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====================================	UNKNOWN SILOXANE	16.91	34	
2.			·	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15. 16.				
$\frac{10.}{17.}$		·		
18.				
19.				
20.				
21.				
22.				<del></del>
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

E0084

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-06

Sample wt/vol: 4.0(g/mL) G

Lab File ID: OG225

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 24

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

.Soil Extract Volume: ____(uL)

75-71-8	Dichlorodifluoromethane	16	Ū
74-87-3	Chloromethane	16	U
75-01-4	1 Vinyl Chloride 16		Ū
74-83-9	Bromomethane	16	U
75-00-3	Chloroethane	16	Ū
75-69-4	Trichlorofluoromethane	16	Ū
75-35-4	1,1-Dichloroethene	16	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16	U ·
67-64-1	Acetone	16	U
75-15-0	Carbon Disulfide	16	Ū
79-20-9	Methyl Acetate	16	
75-09 <b>-</b> 2	Methylene Chloride	16 %	JB U
156-60-5	trans-1,2-Dichloroethene	. 16	U
1634-04-4	Methyl tert-Butyl Ether	16	U
75 <b>-</b> 34-3	1,1-Dichloroethane	16	U
156-59-2	cis-1,2-Dichloroethene	16	U
78-93-3	2-Butanone	16	Ū
67-66-3	Chloroform	16	Ū
71-55-6	1,1,1-Trichloroethane	16	Ü
110-82-7			Ū
56-23-5	Carbon Tetrachloride	16	Ū
71-43-2	Benzene	16	U
107-06-2	1,2-Dichloroethane	16	Ū

EPA SAMPLE NO.

E0084

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-06

Sample wt/vol: 4.0(g/mL) G

Lab File ID: OG225

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 24

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q CAS NO. COMPOUND

<u> </u>	mud all large at home	16	TT
79-01-6	Trichloroethene	16	U
108-87-2	Methylcyclohexane	16	U
<del>78-87-5</del>	1,2-Dichloropropane	16	U
75-27-4	Bromodichloromethane	. 16	<u>U</u>
10061-01-5	cis-1,3-Dichloropropene	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
108-88-3	Toluene	16	Ū
10061-02-6	trans-1,3-Dichloropropene	16	Ū
79-00-5	1,1,2-Trichloroethane	16	Ū
127-18-4	Tetrachloroethene	16	Ŭ
591-78-6	2-Hexanone	16	Ū
124-48-1	Dibromochloromethane	16	Ū
106-93-4	1,2-Dibromoethane	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	Ū
1330-20-7	Xylene (Total)	16	Ū
100-42-5	Styrene	16	Ū
75-25-2	Bromoform	16	U
98-82-8	Isopropylbenzene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
541-73-1	1,3-Dichlorobenzene	16	Ū
106-46-7	1,4-Dichlorobenzene	16	U
95-50-1	1,2-Dichlorobenzene	16	Ū
96-12-8	1,2-Dibromo-3-chloropropane	16	U
120-82-1	1,2,4-Trichlorobenzene	16	Ū

TIVITATI I VELLY	TDENTIFIED	COMPOUNDS		
			E0084	
*	and in the	CO TT 02 010		
	Contract:	68-W-03-018		

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: OG225

Level: (low/med) LOW

Date Received: 05/06/04

Lab Sample ID: 040369-06

% Moisture: not dec. 24

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 1

AME	RT	EST. CONC.	Q
	16.91	17	J

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1.	UNKNOWN SILOXANE	16.91		J
2				
3.				
4.				
5.				
6.			,	
7.				
8.				
9.				
10.		•		
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.		·		
30.				

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

E0085

Lab Code: CEIMIC

Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-07

Sample wt/vol: 10.4 (g/mL) G

Lab File ID: OG226

Date Received: 05/06/04

Level: (low/med) LOW

Date Analyzed: 05/12/04

% Moisture: not dec. 8

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: (uL)

(ug/L or ug/Kg) UG/KG Q

CONCENTRATION UNITS:

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	Ū
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	Ū
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	Ü
75-09-2	Methylene Chloride	10 8	JB //
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	Ü
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	1,0	Ū
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	Ū
56-23 <i>-</i> 5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	Ū.
107-06-2	1,2-Dichloroethane	10	Ū
1			

EPA SAMPLE NO.

#### VOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: 68-W-03-018 Lab Name: CEIMIC CORP

E0085

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-07

Sample wt/vol: 10.4(g/mL) G Lab File ID: OG226

Date Received: 05/06/04

Level: (low/med) LOW

% Moisture: not dec. 8

Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

1	Maria ala la sacca de la como	0.7	IJ
79-01-6	Trichloroethene		
-108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	Ü
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	Ū
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	Ū
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	Ū
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	Ū
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	Ū
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	, Ū

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0085	
-------	--

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-07

Sample wt/vol: 10.4 (g/mL) G

Lab File ID: OG226

Level: (low/med) LOW

Date Received: 05/06/04

Date Analyzed: 05/12/04

% Moisture: not dec. 8

Dilution Factor: 1.0

Number TICs found: 1

GC Column: DB-624 ID: 0.25 (mm)

Soil Aliquot Volume: (uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	==  ==================================	16.91	9	== <b>==</b>  J
2.				
3.				
4.				
5. 6.				
7.				
8.				
9.				
10.				-
11.			****	
13.				
14.				
15.				
16.				
17.				
18. 19.				
20.				
21.				
22.				
23.				
24.				
25. 26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

EPA SAMPLE NO.

E0086
-------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839

SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08

Sample wt/vol: 6.0(g/mL) G

Lab File ID: OG227

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 19

Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume:

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q CAS NO. COMPOUND

Dighlorodifluoromethane	10	U
	77.0.0	
		Ū
Vinyl Chloride		U
Bromomethane	10	Ū
Chloroethane	10	U
Trichlorofluoromethane	10	U
1,1-Dichloroethene	10	U
1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ŭ ·
Acetone	10	U
Carbon Disulfide	10	U
Methyl Acetate	10	U
	10 \$	JB//
trans-1,2-Dichloroethene	.10	Ū
Methyl tert-Butyl Ether	10	Ū
1,1-Dichloroethane	10	Ū
cis-1,2-Dichloroethene	10	U
2-Butanone	10	U
Chloroform	10 .	U
1,1,1-Trichloroethane	10	Ū
Cyclohexane	10	Ū
Carbon Tetrachloride	10	Ū
Benzene	10	U
1,2-Dichloroethane	10	Ū
	Chloroethane Trichlorofluoromethane 1,1-Dichloroethene 1,1,2-Trichloro-1,2,2-trifluoroethane Acetone Carbon Disulfide Methyl Acetate Methylene Chloride trans-1,2-Dichloroethene Methyl tert-Butyl Ether 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Chloroform 1,1,1-Trichloroethane Cyclohexane Carbon Tetrachloride Benzene	Chloromethane       10         Vinyl Chloride       10         Bromomethane       10         Chloroethane       10         Trichlorofluoromethane       10         1,1-Dichloroethene       10         1,1,2-Trichloro-1,2,2-trifluoroethane       10         Acetone       10         Carbon Disulfide       10         Methyl Acetate       10         Methylene Chloride       10         trans-1,2-Dichloroethene       10         Methyl tert-Butyl Ether       10         1,1-Dichloroethane       10         cis-1,2-Dichloroethene       10         2-Butanone       10         Chloroform       10         1,1,1-Trichloroethane       10         Cyclohexane       10         Carbon Tetrachloride       10         Benzene       10



EPA SAMPLE NO.

E0086

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08

Sample wt/vol: 6.0(g/mL) G

Lab File ID: OG227

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 19

Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume:____(uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

	10	T 7 T
		U
	10	U
	10	l n
	10	U
cis-1,3-Dichloropropene	10	Ū
4-Methyl-2-Pentanone	10	U
Toluene	10	U
trans-1,3-Dichloropropene	10	U
1,1,2-Trichloroethane	10	U
Tetrachloroethene	10	U
2-Hexanone	10	U
Dibromochloromethane	10	Ū
1,2-Dibromoethane	10	Ū
Chlorobenzene	10	Ū
Ethylbenzene	10	U
Xylene (Total)	10	U
Styrene	1.0	Ü
Bromoform	10	Ū
Isopropylbenzene	10	U
1,1,2,2-Tetrachloroethane	10	Ū
1,3-Dichlorobenzene	10	ξĴ
1,4-Dichlorobenzene	10	Ū
1,2-Dichlorobenzene	10	U
1,2-Dibromo-3-chloropropane	10	U
1,2,4-Trichlorobenzene	10	Ū
	4-Methyl-2-Pentanone Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene 2-Hexanone Dibromochloromethane 1,2-Dibromoethane Chlorobenzene Ethylbenzene Xylene (Total) Styrene Bromoform Isopropylbenzene 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dibromo-3-chloropropane	Methylcyclohexane       10         1,2-Dichloropropane       10         Bromodichloromethane       10         cis-1,3-Dichloropropene       10         4-Methyl-2-Pentanone       10         Toluene       10         trans-1,3-Dichloropropene       10         1,1,2-Trichloroethane       10         Tetrachloroethane       10         2-Hexanone       10         Dibromochloromethane       10         1,2-Dibromoethane       10         Chlorobenzene       10         Ethylbenzene       10         Xylene (Total)       10         Styrene       10         Bromoform       10         Isopropylbenzene       10         1,1,2,2-Tetrachloroethane       10         1,3-Dichlorobenzene       10         1,4-Dichlorobenzene       10         1,2-Dichlorobenzene       10         1,2-Dichlorobenzene       10         1,2-Dichlorobenzene       10         1,2-Dibromo-3-chloropropane       10

	TENTATIVELY	IDENTIFIED	COMPOUNDS		
				E0086	
0		Contract	68-W-03-018	1	l

Lab	Name:	CEIMIC	CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08

Sample wt/vol: 6.0 (g/mL) G

Lab File ID: OG227

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 19

Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm)

Number TICs found: 1

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	16.91	21	] ===== J
2.				
3.				
4.				
5.				
6. 7.				
8.				
9.				
10.		1,000		
11.				
12.				
13.				
14.	***************************************			
15. 16.				
$\frac{10.}{17.}$				
18.				
19. 20. 21.				
20.				
21.				
22.				,
23.				
24.				
25. 26.		-		
$\frac{20.}{27.}$				
28.				
29.				
30.				

EPA SAMPLE NO.

E0086MS

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08MS

Sample wt/vol: 5.3(g/mL) G

Lab File ID: OG253

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 19

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume: ____(uL)

CAS NO. COMPOUND

75 77 0	Dichlorodifluoromethane	12	IJ
75-71-8			
74-87-3	Chloromethane .	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	47	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	21	18/1/ n
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	Ū
67-66-3	Chloroform	12	Ū
71-55-6	1,1,1-Trichloroethane	12	Ū
110-82-7	Cyclohexane	12	Ū
56-23-5	Carbon Tetrachloride	12	Ū
71-43-2	Benzene	51	
107-06-2	1,2-Dichloroethane	12	Ū

EPA SAMPLE NO.

E0090

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-12

Sample wt/vol: 4.1(g/mL) G

Lab File ID: OG255

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 15

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

- 75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	Ū
75-69-4	Trichlorofluoromethane	14	Ū
75-35-4	1,1-Dichloroethene	14	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	Ū
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	14	Ū
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	14 7	JB11
156-60-5	trans-1,2-Dichloroethene	14	Û
1634-04-4	Methyl tert-Butyl Ether	14	U
75-34-3	1,1-Dichloroethane	14	Ū
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	14	Ū
6766-3	Chloroform	14	Ū
71-55-6	1,1,1-Trichloroethane	14	Ū
110-82-7	Cyclohexane	14	Ū
56-23-5	Carbon Tetrachloride	14	Ū
71-43-2	Benzene	14	Ū
107-06-2	1,2-Dichloroethane	. 14	<del>Ū</del>

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0089
-------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-11

Sample wt/vol: 6.9 (g/mL) G

Lab File ID: OG229

Date Received: 05/07/04

Level: (low/med) LOW

Date Analyzed: 05/12/04

% Moisture: not dec. 7

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume: (uL)

Number TICs found: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	16.92		NJ
2.				
3.				
4.				
5.				
6. 7.				
8.			· ·	
9.				
10.				
11.				
12.				
13.				
14. 15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23. 24.				
25.				
26.				
27.				
28.				
29.				
30.		<u> </u>		

FORM I VOA-TIC

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0087

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-09

Sample wt/vol: 4.2(g/mL) G

Lab File ID: OG228

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 23

Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

CAS NO. COMPOUND

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

79-01-6	Trichloroethene	15 U
108-87-2	Methylcyclohexane	15 U
78-87-5	1,2-Dichloropropane	15 U
75-27-4	Bromodichloromethane	15 U
10061-01-5	cis-1,3-Dichloropropene	15 U
108-10-1	4-Methyl-2-Pentanone	15 U
108-88-3	Toluene	15 U
10061-02-6	trans-1,3-Dichloropropene	15 U
79-00-5	1,1,2-Trichloroethane	15 U
127-18-4	Tetrachloroethene	15 U
591-78-6	2-Hexanone	15 U
124-48-1	Dibromochloromethane	15 U
106-93-4	1,2-Dibromoethane	15 Ü
108-90-7	Chlorobenzene	15 Ü
100-41-4	Ethylbenzene	15 U
1330-20-7	Xylene (Total)	15 U
100-42-5	Styrene	15 U
75-25-2	Bromoform	15 U
98-82-8	Isopropylbenzene	15 U
79-34-5	1,1,2,2-Tetrachloroethane	15 U
541-73-1	1,3-Dichlorobenzene	15 U
106-46-7	1,4-Dichlorobenzene	15 U
95-50-1	1,2-Dichlorobenzene	15 U
96-12-8	1,2-Dibromo-3-chloropropane	15 U
120-82-1	1,2,4-Trichlorobenzene	15 U
	, .	

EPA SAMPLE NO.

E0087

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-09

Sample wt/vol: 4.2(g/mL) G

Lab File ID: OG228

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 23

Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

Dichlorodifluoromethane	15	Ū
Chloromethane	15	U
Vinyl Chloride	15	U
Bromomethane	15	U
Chloroethane	15	Ū
Trichlorofluoromethane	15	U
1,1-Dichloroethene	15	Ū
1,1,2-Trichloro-1,2,2-trifluoroethane	15	Ū
Acetone	9	J
Carbon Disulfide	3	J
Methyl Acetate	15	U :
Methylene Chloride	15 7	JB// 1
trans-1,2-Dichloroethene	15	Ū
Methyl tert-Butyl Ether	15	U
1,1-Dichloroethane	15	U
cis-1,2-Dichloroethene	15	U
2-Butanone	15	U
Chloroform	15	Ū
1,1,1-Trichloroethane	15	Ū
Cyclohexane	15	Ū
Carbon Tetrachloride	15	U
Benzene	15	U
1,2-Dichloroethane	15	IJ
	Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene 1,1,2-Trichloro-1,2,2-trifluoroethane Acetone Carbon Disulfide Methyl Acetate Methylene Chloride trans-1,2-Dichloroethene Methyl tert-Butyl Ether 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Chloroform 1,1,1-Trichloroethane Cyclohexane Carbon Tetrachloride Benzene	Chloromethane       15         Vinyl Chloride       15         Bromomethane       15         Chloroethane       15         Trichlorofluoromethane       15         1,1-Dichloroethene       15         1,1,2-Trichloro-1,2,2-trifluoroethane       15         Acetone       9         Carbon Disulfide       3         Methyl Acetate       15         Methylene Chloride       5/1         trans-1,2-Dichloroethene       15         Methyl tert-Butyl Ether       15         1,1-Dichloroethane       15         cis-1,2-Dichloroethene       15         2-Butanone       15         Chloroform       15         1,1,1-Trichloroethane       15         Cyclohexane       15         Carbon Tetrachloride       15         Benzene       15

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08MSD

Sample wt/vol: 5.9(g/mL) G

Lab File ID: OG254

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 19

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

Jon .			
79-01-6	Trichloroethene	39	BXB
1.08-87-2	Methylcyclohexane	10	Ū
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	42	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	Ü
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	40	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	Ū
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
541-73-1	1,3-Dichlorobenzene	10	Ŭ
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	Ū

EPA SAMPLE NO.

E0086MSD

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08MSD

Sample wt/vol: 5.9(g/mL) G

Lab File ID: OG254

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 19

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dichlorodifluoromethane

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8

74-87-3

Chloromethane

75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	. 10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	41	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U U
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	10	U
79 <b>-</b> 20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	29	BU
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34 <b>-</b> 3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	Ū
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	47	
107-06-2	1,2-Dichloroethane	10	U

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-11

Sample wt/vol: 6.9(g/mL) G Lab File ID: OG229

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 7 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

79-01-6	Trichloroethene	10 U
108-87-2	Methylcyclohexane	10 U
78-87-5	1,2-Dichloropropane	10 U
75-27-4	Bromodichloromethane	10 U
10061-01-5	cis-1,3-Dichloropropene	10 U
108-10-1	4-Methyl-2-Pentanone	10 U
108-88-3	Toluene	10 U
10061-02-6	trans-1,3-Dichloropropene	10 U
79-00-5	1,1,2-Trichloroethane	10 U
127-18-4	Tetrachloroethene	10 U
591-78-6	2-Hexanone	10 U
124-48-1	Dibromochloromethane	10 U
106-93-4	1,2-Dibromoethane	10 U
108-90-7	Chlorobenzene	10 U
100-41-4	Ethylbenzene	10 U
1330-20-7	Xylene (Total)	10 U
100-42-5	Styrene	10 U
75-25-2	Bromoform	10 U
98-82-8	Isopropylbenzene	10 U
79-34-5	1,1,2,2-Tetrachloroethane	10 U
541-73-1	1,3-Dichlorobenzene	10 U
106-46-7	1,4-Dichlorobenzene	10 U
95-50-1	1,2-Dichlorobenzene	. 10 U
96-12-8	1,2-Dibromo-3-chloropropane	10 U
120-82-1	1,2,4-Trichlorobenzene	10 U

EPA SAMPLE NO.

E0089	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-11

Sample wt/vol: 6.9(g/mL) G

Lab File ID: OG229

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 7

Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8				
75-01-4    Vinyl Chloride	75-71-8	Dichlorodifluoromethane	10	Ŭ.
74-83-9       Bromomethane       10       U         75-00-3       Chloroethane       10       U         75-69-4       Trichlorofluoromethane       10       U         75-35-4       1,1-Dichloroethene       10       U         76-13-1       1,1,2-Trichloro-1,2,2-trifluoroethane       10       U         67-64-1       Acetone       10       U         75-15-0       Carbon Disulfide       10       U         79-20-9       Methyl Acetate       10       U         75-09-2       Methylene Chloride       10       U         156-60-5       trans-1,2-Dichloroethene       10       U         1634-04-4       Methyl tert-Butyl Ether       10       U         75-34-3       1,1-Dichloroethane       10       U         156-59-2       cis-1,2-Dichloroethene       10       U         78-93-3       2-Butanone       10       U         67-66-3       Chloroform       10       U         71-55-6       1,1,1-Trichloroethane       10       U         110-82-7       Cyclohexane       10       U         56-23-5       Carbon Tetrachloride       10       U         71-43-2 <t< td=""><td>74-87-3</td><td>Chloromethane</td><td>10</td><td>U</td></t<>	74-87-3	Chloromethane	10	U
75-00-3   Chloroethane   10   U	75-01-4	Vinyl Chloride	10	Ü
75-69-4       Trichlorofluoromethane       10       U         75-35-4       1,1-Dichloroethene       10       U         76-13-1       1,1,2-Trichloro-1,2,2-trifluoroethane       10       U         67-64-1       Acetone       10       U         75-15-0       Carbon Disulfide       10       U         79-20-9       Methyl Acetate       10       U         75-09-2       Methylene Chloride       10       U         156-60-5       trans-1,2-Dichloroethene       10       U         1634-04-4       Methyl tert-Butyl Ether       10       U         75-34-3       1,1-Dichloroethane       10       U         156-59-2       cis-1,2-Dichloroethene       10       U         78-93-3       2-Butanone       10       U         67-66-3       Chloroform       10       U         71-55-6       1,1,1-Trichloroethane       10       U         10-82-7       Cyclohexane       10       U         56-23-5       Carbon Tetrachloride       10       U         71-43-2       Benzene       10       U	74-83-9	Bromomethane	10	U
75-35-4	75-00-3	Chloroethane	10	Ū
76-13-1       1,1,2-Trichloro-1,2,2-trifluoroethane       10       U         67-64-1       Acetone       10       U         75-15-0       Carbon Disulfide       10       U         79-20-9       Methyl Acetate       10       U         75-09-2       Methylene Chloride       10       U         156-60-5       trans-1,2-Dichloroethene       10       U         1634-04-4       Methyl tert-Butyl Ether       10       U         75-34-3       1,1-Dichloroethane       10       U         156-59-2       cis-1,2-Dichloroethene       10       U         78-93-3       2-Butanone       10       U         67-66-3       Chloroform       10       U         71-55-6       1,1,1-Trichloroethane       10       U         110-82-7       Cyclohexane       10       U         56-23-5       Carbon Tetrachloride       10       U         71-43-2       Benzene       10       U	75-69-4	Trichlorofluoromethane	10	Ū
67-64-1       Acetone       10       U         75-15-0       Carbon Disulfide       10       U         79-20-9       Methyl Acetate       10       U         75-09-2       Methylene Chloride       10       U         156-60-5       trans-1,2-Dichloroethene       10       U         1634-04-4       Methyl tert-Butyl Ether       10       U         75-34-3       1,1-Dichloroethane       10       U         156-59-2       cis-1,2-Dichloroethene       10       U         78-93-3       2-Butanone       10       U         67-66-3       Chloroform       10       U         71-55-6       1,1,1-Trichloroethane       10       U         10-82-7       Cyclohexane       10       U         56-23-5       Carbon Tetrachloride       10       U         71-43-2       Benzene       10       U	75-35-4	1,1-Dichloroethene	10	Ū
75-15-0       Carbon Disulfide       10       U         79-20-9       Methyl Acetate       10       U         75-09-2       Methylene Chloride       10       U         156-60-5       trans-1,2-Dichloroethene       10       U         1634-04-4       Methyl tert-Butyl Ether       10       U         75-34-3       1,1-Dichloroethane       10       U         156-59-2       Cis-1,2-Dichloroethene       10       U         78-93-3       2-Butanone       10       U         67-66-3       Chloroform       10       U         71-55-6       1,1,1-Trichloroethane       10       U         10-82-7       Cyclohexane       10       U         56-23-5       Carbon Tetrachloride       10       U         71-43-2       Benzene       10       U	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ū
79-20-9       Methyl Acetate       10       U         75-09-2       Methylene Chloride       10       U         156-60-5       trans-1,2-Dichloroethene       10       U         1634-04-4       Methyl tert-Butyl Ether       10       U         75-34-3       1,1-Dichloroethane       10       U         156-59-2       cis-1,2-Dichloroethene       10       U         78-93-3       2-Butanone       10       U         67-66-3       Chloroform       10       U         71-55-6       1,1,1-Trichloroethane       10       U         110-82-7       Cyclohexane       10       U         56-23-5       Carbon Tetrachloride       10       U         71-43-2       Benzene       10       U	67-64-1	Acetone	10	U
75-09-2       Methylene Chloride       10 Z       PB/E         156-60-5       trans-1,2-Dichloroethene       10 U         1634-04-4       Methyl tert-Butyl Ether       10 U         75-34-3       1,1-Dichloroethane       10 U         156-59-2       cis-1,2-Dichloroethene       10 U         78-93-3       2-Butanone       10 U         67-66-3       Chloroform       10 U         71-55-6       1,1,1-Trichloroethane       10 U         110-82-7       Cyclohexane       10 U         56-23-5       Carbon Tetrachloride       10 U         71-43-2       Benzene       10 U	75-15-0	Carbon Disulfide	10	U
156-60-5       trans-1,2-Dichloroethene       10       U         1634-04-4       Methyl tert-Butyl Ether       10       U         75-34-3       1,1-Dichloroethane       10       U         156-59-2       cis-1,2-Dichloroethene       10       U         78-93-3       2-Butanone       10       U         67-66-3       Chloroform       10       U         71-55-6       1,1,1-Trichloroethane       10       U         110-82-7       Cyclohexane       10       U         56-23-5       Carbon Tetrachloride       10       U         71-43-2       Benzene       10       U	79-20-9	Methyl Acetate	10	
1634-04-4       Methyl tert-Butyl Ether       10       U         75-34-3       1,1-Dichloroethane       10       U         156-59-2       cis-1,2-Dichloroethene       10       U         78-93-3       2-Butanone       10       U         67-66-3       Chloroform       10       U         71-55-6       1,1,1-Trichloroethane       10       U         110-82-7       Cyclohexane       10       U         56-23-5       Carbon Tetrachloride       10       U         71-43-2       Benzene       10       U	75-09-2	Methylene Chloride		JB/
75-34-3       1,1-Dichloroethane       10       U         156-59-2       cis-1,2-Dichloroethene       10       U         78-93-3       2-Butanone       10       U         67-66-3       Chloroform       10       U         71-55-6       1,1,1-Trichloroethane       10       U         110-82-7       Cyclohexane       10       U         56-23-5       Carbon Tetrachloride       10       U         71-43-2       Benzene       10       U	156-60-5			Ū
156-59-2       cis-1,2-Dichloroethene       10       U         78-93-3       2-Butanone       10       U         67-66-3       Chloroform       10       U         71-55-6       1,1,1-Trichloroethane       10       U         110-82-7       Cyclohexane       10       U         56-23-5       Carbon Tetrachloride       10       U         71-43-2       Benzene       10       U	1634-04-4	Methyl tert-Butyl Ether	10	
78-93-3       2-Butanone       10       U         67-66-3       Chloroform       10       U         71-55-6       1,1,1-Trichloroethane       10       U         110-82-7       Cyclohexane       10       U         56-23-5       Carbon Tetrachloride       10       U         71-43-2       Benzene       10       U	75-34-3	1,1-Dichloroethane	10	U
67-66-3       Chloroform       10       U         71-55-6       1,1,1-Trichloroethane       10       U         110-82-7       Cyclohexane       10       U         56-23-5       Carbon Tetrachloride       10       U         71-43-2       Benzene       10       U	156-59-2	cis-1,2-Dichloroethene		U
71-55-6       1,1,1-Trichloroethane       10       U         110-82-7       Cyclohexane       10       U         56-23-5       Carbon Tetrachloride       10       U         71-43-2       Benzene       10       U	78-93-3	2-Butanone	10	
110-82-7   Cyclohexane	67-66-3	Chloroform	10	U
56-23-5         Carbon Tetrachloride         10         U           71-43-2         Benzene         10         U	71-55-6	1,1,1-Trichloroethane	10	U
71-43-2 Benzene 10 U	110-82-7	Cyclohexane	10	
	56-23-5	Carbon Tetrachloride		-
107-06-2 1,2-Dichloroethane 10 U	71-43-2	Benzene	10	
	107-06-2	1,2-Dichloroethane	10	Ū

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0088

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-10

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: OG230

Level: (low/med)

Date Received: 05/06/04

LOW

% Moisture: not dec. 28

Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

Number TICs found: 29

CAS NUMBER	COMPOUND NAME	RT .	EST. CONC.	Q
	UNKNOWN ALKENE	16.68	520	
1.	CYCLIC ALKENE	17.00	230	
2.	LINKNOWN	17.16	180	
3.	01112101121	17.10	99	
4.	C3-BENZENE ISOMER	18.54	570	
5. 141-93-5	BENZENE, 1,3-DIETHYL-		490	
6. 91-17-8	NAPHTHALENE, DECAHYDRO-	18.64		
7. 2870-04-4	BENZENE, 2-ETHYL-1,3-DIMETHY	19.18	740	1
8.	C4-BENZENE ISOMER	19.33	680	
9.	UNKNOWN KETONE	19.44	170	
10. 89-82-7	PULEGONE	19.53	520	
11. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	19.72	750	
12. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	19.79	980	
13.	C4-BENZENE ISOMER	19.90	430	- 1
14.	UNKNOWN	20.03	200	
15. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	20.14	450	
16.	C5-BENZENE ISOMER	20.23	230	
17.	UNKNOWN	20.35	1300	J
18. 54411-12-0	BENZENE, (2-CHLORO-2-BUTENYL)	20.71	310	NJ
19. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	20.78	390	NJ
20.	UNKNOWN	20.85	510	J
21.	TETRAHYDRO-NAPHTHALENE ISOME	20.98	370	J
22.	DECAHYDRONAPHTHALENE ISOMER	21.21	300	J
23.	C5-BENZENE ISOMER	21.42	330	J
24. 1559-81-5	NAPHTHALENE, 1,2,3,4-TETRAHY	21.68	390	NJ
25. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	21.91	500	NJ
26.	C5-BENZENE ISOMER	22.09	94	
27.	UNKNOWN	22.17	220	
28. 769-25-5	BENZENE, 2-ETHENYL-1,3,5-TRI	22.35		NJ
29. 90-12-0	NAPHTHALENE, 1-METHYL-	22.84		NJ
30.	1 14 2 2 2 2 2 3 4 3 4 3 4 1 4 1 4 1 1 1 1 1 1 1 1 1 1	22.01		

EPA SAMPLE NO.

E0088

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-10

Sample wt/vol: 5.2(g/mL) G

Lab File ID: OG230

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 28

Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: g/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L o	c ug/

108-87-2       Methylcyclohexane       12       J         78-87-5       1,2-Dichloropropane       13       U         75-27-4       Bromodichloromethane       13       U         10061-01-5       cis-1,3-Dichloropropene       13       U         108-10-1       4-Methyl-2-Pentanone       13       U         108-88-3       Toluene       4       J         10061-02-6       trans-1,3-Dichloropropene       13       U         79-00-5       1,1,2-Trichloroethane       18         127-18-4       Tetrachloroethene       13       U
75-27-4       Bromodichloromethane       13       U         10061-01-5       cis-1,3-Dichloropropene       13       U         108-10-1       4-Methyl-2-Pentanone       13       U         108-88-3       Toluene       4       J         10061-02-6       trans-1,3-Dichloropropene       13       U         79-00-5       1,1,2-Trichloroethane       18
10061-01-5       cis-1,3-Dichloropropene       13       U         108-10-1       4-Methyl-2-Pentanone       13       U         108-88-3       Toluene       4       J         10061-02-6       trans-1,3-Dichloropropene       13       U         79-00-5       1,1,2-Trichloroethane       18
108-10-1       4-Methyl-2-Pentanone       13       U         108-88-3       Toluene       4       J         10061-02-6       trans-1,3-Dichloropropene       13       U         79-00-5       1,1,2-Trichloroethane       18
108-88-3         Toluene         4         J           10061-02-6         trans-1,3-Dichloropropene         13         U           79-00-5         1,1,2-Trichloroethane         18
10061-02-6       trans-1,3-Dichloropropene       13       U         79-00-5       1,1,2-Trichloroethane       18
79-00-5 1,1,2-Trichloroethane 18
127 10 4 Totrophloroothoro
591-78-6 2-Hexanone 54
124-48-1 Dibromochloromethane 13 U
106-93-4   1,2-Dibromoethane 13 U
108-90-7 Chlorobenzene 13 U
100-41-4 Ethylbenzene 3 J
1330-20-7   Xylene (Total) 14
100-42-5   Styrene 13 U
75-25-2 Bromoform 13 U
98-82-8 Isopropylbenzene 21
79-34-5 1,1,2,2-Tetrachloroethane 13 U
541-73-1 1,3-Dichlorobenzene 13 U
106-46-7   1,4-Dichlorobenzene
95-50-1 1,2-Dichlorobenzene 13 U
96-12-8   1,2-Dibromo-3-chloropropane 13 U
120-82-1 1,2,4-Trichlorobenzene 13 U

EPA SAMPLE NO.

E0088 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-10

Sample wt/vol: 5.2(g/mL) G

Lab File ID: OG230

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 28

Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG Q

75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl Chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4		13	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	Ū
67-64-1	Acetone	42	
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	13	Ū
75-09-2	Methylene Chloride	13 8	JBU )
156-60-5	trans-1,2-Dichloroethene	13	U 1
1634-04-4	Methyl tert-Butyl Ether	• 13	U
75-34-3	1,1-Dichloroethane	13	ŧ.J
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	15	
67-66-3	Chloroform	13	Ū
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	3	J
56-23-5	Carbon Tetrachloride	13	Ū
71-43-2	Benzene	2	J
107-06-2	1,2-Dichloroethane	13	U

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0087
-------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-09

Sample wt/vol: 4.2 (g/mL) G

2 (q/mL) G Lab File ID: OG228

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 23

Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm)

25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ====
1.	UNKNOWN SILOXANE	16.91	13	ا ارا
2.				
3.				
4. 5.			· .	
5. 6.				
7.				
8.				
9.				
10.				
11.				
12.			*	
14.				
15.			· · · · · · · · · · · · · · · · · · ·	
16.				
17.				
18.				
19.				
20.				
22.				
23.				
24.				
25.				
26.				
27.				
28.		.		
29.				
30.				

FORM I VOA-TIC

OLM04.3

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0086MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08MS

Sample wt/vol: 5.3(g/mL) G

Lab File ID: OG253

Level: (low/med) LOW

Date Received: 05/06/04

% Moisture: not dec. 19

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

79-01-6	Trichloroethene	44	BXB 1
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12 .	U ·
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	IJ
108-10-1	4-Methyl-2-Pentanone	12	Ū
108-88-3	Toluene	46	
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	Ū
108-90-7	Chlorobenzene	43	
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (Total)	. 12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	Ū
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	Ū
541-73-1	1,3-Dichlorobenzene	12	Ü
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	Ü
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	Ŭ

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-12

Sample wt/vol: 4.1(g/mL) G

Lab File ID: OG255

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 15

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

CAS NO. COMPOUND

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

I			
79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	14	U
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	Ū
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	14	Ū
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	Ū
127-18-4	Tetrachloroethene	14	Ū
591-78-6	2-Hexanone	14	Ū
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	Ū
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	Ū
1330-20-7	Xylene (Total)	14	Ū
100-42-5	Styrene	14	Ū
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	Ū
541-73-1	1,3-Dichlorobenzene	14	Ū
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	Ū
120-82-1	1,2,4-Trichlorobenzene	14	U

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY

Υ	IDENTIFIED	COMPOUNDS		
			E0090	
	Contract.	CO W 02 010		

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-12

Lab File ID: OG255

Sample wt/vol: 4.1 (g/mL) G

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 15

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS:

Number TICs found: 1

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
 1.	   UNKNOWN SILOXANE	16.91	10	] ===== J
2.				
3.				
4.				
5.				
6. 7.				
8.				
9.		1		
10.				
11.				
12.				
13.				
14. 15.				
16.				
17.				
18.				
19.				
20.				
21.	*			THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S
22.				
23. 24.				
25.				
26.				
27.				
28.	·			
29.				
30.				

EPA SAMPLE NO.

E0091

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-13

Sample wt/vol: 5.1(g/mL) G

Lab File ID: OG256

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 29

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	. 14 .	U
74-83-9	Bromomethane	14	Ū
75-00-3	Chloroethane	14	Ū
75-69-4	Trichlorofluoromethane	14	Ū
75-35-4.	1,1-Dichloroethene	14	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	IJ
67-64-1	Acetone	13	Ĵ
75-15-0	Carbon Disulfide	14	Ū
79-20-9	Methyl Acetate	14	Ū
75-09-2	Methylene Chloride	14/8	JBU /
156-60-5	trans-1,2-Dichloroethene	14	U U
1634-04-4	Methyl tert-Butyl Ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	Ū
78-93-3	2-Butanone	2	J
67-66-3	Chloroform	14	Ū
71-55-6	1,1,1-Trichloroethane	.14	Ū
110-82-7	Cyclohexane	14	Ū
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	14	Ū
107-06-2	1 2-Dichloroethane	1.4	T T

EPA SAMPLE NO.

E0091

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-13

Sample wt/vol: 5.1(g/mL) G

Lab File ID: OG256

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 29

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

37		14	IJ
79-01-6	Trichloroethene		
108-87-2	Methylcyclohexane	14	U
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	14	Ū
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	Ū
1330-20-7	Xylene (Total)	14	U
100-42-5	Styrene	14	Ū
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	Ū
541-73-1	1,3-Dichlorobenzene	14	Ū
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	Ū
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	Ŭ

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0091 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-13

Lab File ID: OG256

Sample wt/vol: 5.1 (g/mL) G

Date Received: 05/07/04

Level: (low/med) LOW

Date Analyzed: 05/13/04

% Moisture: not dec. 29

Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm)

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 29

COMPOUND NAME			1
00.12 00.12	RT	EST. CONC.	Q
TRUDIOURI GILOVANII	16 01	11	J
NAPHIHALENE, DECARIDRO-2-MET			
BENZENE, 1,2,4,5-IEIRAMEITIL			
BENZENE, 1,2,4,5-1ETRAMETHIL			1
			J
	1		J
010210 12111			J
			_
1H-INDENE, 2,3-DIHYDRO-1,6-D			J
			L
C5-BENZENE ISOMER			
UNKNOWN			<del></del>
UNKNOWN			
	22.36		
BENZENE, 4-(2-BUTENYL)-1,2-D			
NAPHTHALENE, 1-METHYL-	22.83	110	NJ
UNKNOWN	23.15	13	J
TETRAHYDRONAPTHALENE ISOMER	23.49	11	J
NAPHTHALENE, 2-ETHYL-	23.78	40	NJ
	23.83	26	NJ
	23.94	54	NJ
	UNKNOWN SILOXANE  BENZENE, 2-ETHYL-1,4-DIMETHY  2,3-DIHYDRO-1-METHYLINDENE  NAPHTHALENE, DECAHYDRO-2-MET  BENZENE, 1,2,4,5-TETRAMETHYL  BENZENE, 1,2,4,5-TETRAMETHYL  UNKNOWN HYDROCARBON  1H-INDENE, 2,3-DIHYDRO-4-MET  UNKNOWN HYDROCARBON  CYCLIC ALKENE  HALOGENATED HYDROCARBON  1H-INDENE, 2,3-DIHYDRO-1,6-D  C5-BENZENE ISOMER  1H-INDENE, 2,3-DIHYDRO-1,6-D  UNKNOWN HYDROCARBON  TETRAHYDRO-NAPHTHALENE ISOME  1H-INDENE, 2,3-DIHYDRO-1,6-D  1H-INDENE, 2,3-DIHYDRO-4,7-D  C5-BENZENE ISOMER  UNKNOWN  UNKNOWN  UNKNOWN  BENZENE, 1-(1-METHYLETHENYL)  BENZENE, 4-(2-BUTENYL)-1,2-D  NAPHTHALENE, 1-METHYL-  UNKNOWN  TETRAHYDRONAPTHALENE ISOMER	UNKNOWN SILOXANE  BENZENE, 2-ETHYL-1,4-DIMETHY  2,3-DIHYDRO-1-METHYLINDENE  NAPHTHALENE, DECAHYDRO-2-MET  BENZENE, 1,2,4,5-TETRAMETHYL  BENZENE, 1,2,4,5-TETRAMETHYL  UNKNOWN HYDROCARBON  1H-INDENE, 2,3-DIHYDRO-4-MET  UNKNOWN HYDROCARBON  CYCLIC ALKENE  HALOGENATED HYDROCARBON  1H-INDENE, 2,3-DIHYDRO-1,6-D  1H-INDENE, 2,3-DIHYDRO-1,6-D  20.77  C5-BENZENE ISOMER  1H-INDENE, 2,3-DIHYDRO-1,6-D  UNKNOWN HYDROCARBON  21.19  TETRAHYDRO-NAPHTHALENE ISOME  1H-INDENE, 2,3-DIHYDRO-1,6-D  C5-BENZENE ISOMER  1H-INDENE, 2,3-DIHYDRO-1,6-D  21.67  1H-INDENE, 2,3-DIHYDRO-1,6-D  21.67  1H-INDENE, 2,3-DIHYDRO-1,6-D  21.67  1H-INDENE, 2,3-DIHYDRO-1,6-D  22.08  UNKNOWN  22.17  UNKNOWN  22.17  NAPHTHALENE, 1-METHYL-  UNKNOWN  TETRAHYDRONAPTHALENE ISOMER  UNKNOWN  TETRAHYDRONAPTHALENE ISOMER  22.83  UNKNOWN  TETRAHYDRONAPTHALENE ISOMER  NAPHTHALENE, 1-METHYL-  23.78  NAPHTHALENE, 2-ETHYL-  NAPHTHALENE, 1-ETHYL-  23.78	UNKNOWN SILOXANE  BENZENE, 2-ETHYL-1,4-DIMETHY  2,3-DIHYDRO-1-METHYLINDENE  NAPHTHALENE, DECAHYDRO-2-MET  BENZENE, 1,2,4,5-TETRAMETHYL  BENZENE, 1,2,4,5-TETRAMETHYL  BENZENE, 1,2,4,5-TETRAMETHYL  BENZENE, 1,2,4,5-TETRAMETHYL  BENZENE, 1,2,4,5-TETRAMETHYL  BENZENE, 1,2,4,5-TETRAMETHYL  BENZENE, 1,2,4,5-TETRAMETHYL  BENZENE, 1,2,4,5-TETRAMETHYL  BENZENE, 1,2,4,5-TETRAMETHYL  BENZENE, 1,2,4,5-TETRAMETHYL  BENZENE, 1,2,4,5-TETRAMETHYL  BENZENE, 2,3-DIHYDRO-4-MET  CO.12  LILUKNOWN HYDROCARBON  CYCLIC ALKENE  CYCLIC ALKENE  CYCLIC ALKENE  BALOGENATED HYDROCARBON  CYCLIC ALKENE  CYCLIC ALKENE  BENZENE ISOMER  CS-BENZENE ISOMER  LH-INDENE, 2,3-DIHYDRO-1,6-D  LNKNOWN HYDROCARBON  TETRAHYDRO-NAPHTHALENE ISOME  LH-INDENE, 2,3-DIHYDRO-1,6-D  LH-INDENE, 2,3-DIHYDRO-1,6-D  LH-INDENE, 2,3-DIHYDRO-1,6-D  LH-INDENE, 2,3-DIHYDRO-1,6-D  LH-INDENE, 2,3-DIHYDRO-1,6-D  LH-INDENE, 2,3-DIHYDRO-4,7-D  LH-INDENE, 2,3-DIHYDRO-4,7-D  LH-INDENE, 2,3-DIHYDRO-4,7-D  LNKNOWN  CS-BENZENE ISOMER  LNKNOWN  LOSA  LNKNOWN  LOSA  LNKNOWN  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOSA  LOS

EPA SAMPLE NO.

E0092

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-14

Sample wt/vol: 4.5(g/mL) G Lab File ID: OG262

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 37

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

•					
	75-71-8	Dichlorodifluoromethane	18	U	
	=74-87-3	Chloromethane	18	U	
1	75-01-4	Vinyl Chloride	18	U	
	74-83-9	Bromomethane	18	U	
١	75-00-3	Chloroethane	18	U	
	75-69-4	Trichlorofluoromethane	18	Ū	
1	75-35-4	1,1-Dichloroethene	18	U	
	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18	U	
	67-64-1	Acetone	20		
İ	75-15-0	Carbon Disulfide	18	U	
	79-20-9	Methyl Acetate	18	U	
1	75-09-2	Methylene Chloride	55	134	1
ĺ	156-60-5	trans-1,2-Dichloroethene	18	U	1
	1634-04-4	Methyl tert-Butyl Ether	. 18	U	
	75-34-3		18	U	
İ	156-59-2	cis-1,2-Dichloroethene	18	U	
	78-93-3	2-Butanone	. 3	J	
	67-66 <b>-</b> 3	Chloroform	18	U	
	71-55-6	1,1,1-Trichloroethane	18	Ū	
	110-82-7	Cyclohexane	13	J	
	56-23-5	Carbon Tetrachloride	18	U	
	71-43-2	Benzene	18	U	
	107-06-2	1,2-Dichloroethane	18	Ū	

EPA SAMPLE NO.

	į
E0092	
	1

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-14

Sample wt/vol: 4.5(g/mL) G

Lab File ID: OG262

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 37

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

1	, , ,	. 10	IJ
79-01-6	Trichloroethene	18	<u> </u>
108-87-2	Methylcyclohexane	90	
78-87-5	1,2-Dichloropropane	18	Ū
75-27-4	Bromodichloromethane	18	U
10061-01-5	cis-1,3-Dichloropropene	18	Ū
108-10-1	4-Methyl-2-Pentanone	18	U
108-88-3	Toluene	18	U
10061-02-6	trans-1,3-Dichloropropene	18	Ū
79-00-5	1,1,2-Trichloroethane	150	
127-18-4	Tetrachloroethene	18	U
591-78-6	2-Hexanone	93	(
124-48-1	Dibromochloromethane	18	U
106-93-4	1,2-Dibromoethane	18	U
108-90-7	Chlorobenzene	18	Ū
100-41-4	Ethylbenzene	18	U
1330-20-7	Xylene (Total)	1.8	U
100-42-5	Styrene	18	Ū
75-25-2	Bromoform	18	U
98-82-8	Isopropylbenzene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	18	U
541-73-1	1,3-Dichlorobenzene	18	Ū
106-46-7	1,4-Dichlorobenzene	18	Ū
95-50-1	1,2-Dichlorobenzene	18	Ū
96-12-8	1,2-Dibromo-3-chloropropane	. 18	Ū
120-82-1	1,2,4-Trichlorobenzene	18	Ū
120-02-1	1,2,4-111011010001126116	10	

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

•	ı
E0092	
	1

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-14

Sample wt/vol: 4.5 (g/mL) G

Lab File ID: OG262

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 37

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 29

-CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1.	STRAIGHT-CHAIN ALKENE	13.92	•	J
2. 694-72-4	PENTALENE, OCTAHYDRO-	14.63	89	NJ
3.	CYCLIC ALKENE	15.26	57	J
4. 4926-78-7	CYCLOHEXANE, 1-ETHYL-4-METHY	15.50	170	NJ
5.	UNKNOWN	16.27		J
6.	UNKNOWN HYDROCARBON	16.50		J
7.	UNKNOWN HYDROCARBON	16.98		J
8.	UNKNOWN	17.18		J
9. 3868-64-2	PENTALENE, OCTAHYDRO-2-METHY	17.39	120	
10.	UNKNOWN HYDROCARBON	18.50		J
11.	DECAHYDRONAPHTHALENE ISOMER	18.62	1	J
12. 135-01-3	BENZENE, 1,2-DIETHYL-	18.81		NJ
13. 2870-04-4	BENZENE, 2-ETHYL-1,3-DIMETHY	19.17	- · · · · · · · · · · · · · · · · · · ·	NJ
14. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	19.31	280	
15. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	19.51		NJ
16. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	19.70		NJ
17. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	19.80	90	
18. 4175-53-5	1H-INDENE, 2,3-DIHYDRO-1,3-D	19.89	74	
19. 4706-89-2	BENZENE, 2,4-DIMETHYL-1-(1-M)	20.01		NJ
20. 3454-07-7	BENZENE, 1-ETHENYL-4-ETHYL-	20.12		NJ
21. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	20.33	370	NJ
22. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	20.77	150	NJ
23.	UNKNOWN	20.83	83	J
24. 17059-48-2	1H-INDENE, 2,3-DIHYDRO-1,6-D	20.96		NJ
25.	C5-BENZENE ISOMER	21.20	62	J
26.	C5-BENZENE ISOMER	21.41	. 53	J
27. 4175-53-5	1H-INDENE, 2,3-DIHYDRO-1,3-D	21.67		NJ
28. 17057-82-8	1H-INDENE, 2,3-DIHYDRO-1,2-D	21.90	120	NJ
29.	UNKNOWN	22.17	83	J
30.	·			

EPA SAMPLE NO.

E0093

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-15

Sample wt/vol: 5.1(g/mL) G

Lab File ID: OG257

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 22

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

		+
Dichlorodifluoromethane		U
Chloromethane	. 13	U
Vinyl Chloride	13 .	Ū
Bromomethane	13	U
Chloroethane	13	U
Trichlorofluoromethane	13	U
1,1-Dichloroethene	13	U
1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
Acetone	11	J
Carbon Disulfide	13	U
Methyl Acetate	13	U
	13 %	JB//
trans-1,2-Dichloroethene	13	Ū
Methyl tert-Butyl Ether	13	U
1,1-Dichloroethane	13	Ü
cis-1,2-Dichloroethene	13	Ü
2-Butanone	2	J
Chloroform	13	U
1,1,1-Trichloroethane	13	·U
Cyclohexane	13	Ü
Carbon Tetrachloride	13	Ū
Benzene	13	U
1,2-Dichloroethane	13	Ū
	Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene 1,1,2-Trichloro-1,2,2-trifluoroethane Acetone Carbon Disulfide Methyl Acetate Methylene Chloride trans-1,2-Dichloroethene Methyl tert-Butyl Ether 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Chloroform 1,1,1-Trichloroethane Cyclohexane Carbon Tetrachloride Benzene	Chloromethane       13         Vinyl Chloride       13         Bromomethane       13         Chloroethane       13         Trichlorofluoromethane       13         1,1-Dichloroethene       13         1,1,2-Trichloro-1,2,2-trifluoroethane       13         Acetone       11         Carbon Disulfide       13         Methyl Acetate       13         Methylene Chloride       13         trans-1,2-Dichloroethene       13         Methyl tert-Butyl Ether       13         1,1-Dichloroethane       13         cis-1,2-Dichloroethene       13         2-Butanone       2         Chloroform       13         1,1,1-Trichloroethane       13         Cyclohexane       13         Carbon Tetrachloride       13         Benzene       13

EPA SAMPLE NO.

	E0093
2	,

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-15

Sample wt/vol: 5.1(g/mL) G

Lab File ID: OG257

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 22

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

CAS NO. COMPOUND

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: ____(uL)

		17	TT
79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	13	Ŭ
78-87-5	1,2-Dichloropropane	13	Ū
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13_	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	2	J
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	Ŭ
106-93-4	1,2-Dibromoethane	13	Ū
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (Total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	Ü
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

# VOLATILE ORGANICS ANALYSIS DATA SHEET

V E:I → X	IDENTIFIED	COMPOUNDS	E0093
	Contract:	68-W-03-018	

T.ah	Name ·	CEIMIC	CORP
11011	INCHIE .		$\sim$

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-15

Lab File ID: OG257

Sample wt/vol: 5.1 (g/mL) G

Date Received: 05/07/04

Level: (low/med) LOW % Moisture: not dec. 22

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN	15.46	9	J
1. 2. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	16.90	15	
3.	NAPHTHALENE ISOMER	20.08	6	J
4.				<del></del>
5.				
6.				
7.		·		
8.				
9.				
10.				-
11.	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA			
12.				
13.			· · · · · · · · · · · · · · · · · · ·	<u> </u>
14.				
15. 16.			484-5	
17.				
18.				
19.				
20.				<del></del>
21.				
22.				
23.				
24.				
25.				
26.				<u> </u>
27.				
28.				
29.				
30.				

E0094		
	ļ	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-16

Sample wt/vol: 4.4(g/mL) G

Lab File ID: OG258

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 24

Date Analyzed: 05/13/04

Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm)

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

	$\cdot$			
75-71-8	Dichlorodifluoromethane		15	Ū
74-87-3	Chloromethane		15	U
75-01-4	Vinyl Chloride		15	U
74-83-9	Bromomethane		15	U
75-00-3	Chloroethane		15	U
75-69-4	Trichlorofluoromethane		15	U
75-35-4	1.1-Dichloroethene		15	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		15	U
67-64-1	Acetone		62	
75-15-0	Carbon Disulfide		4	J
79-20-9	Methyl Acetate		15	U TR//
75-09-2	Methylene Chloride		157	Y 1
156-60-5	trans-1,2-Dichloroethene		15	
1634-04-4	Methyl tert-Butyl Ether		15	U
75-34-3	1,1-Dichloroethane		15	U
156-59-2	cis-1,2-Dichloroethene		15	U
78-93-3	2-Butanone		20	
67-66-3	Chloroform		15	U
71-55-6	1,1,1-Trichloroethane		15	U
110-82-7	Cyclohexane		15	U
56-23-5	Carbon Tetrachloride		15	Ü
71-43-2	Benzene		15	U
	1,2-Dichloroethane	1	15	U

E0094

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-16

Sample wt/vol: 4.4(g/mL) G

Lab File ID: OG258

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 24

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

		15	Ũ
79-01-6.	Trichloroethene		
108-87-2	Methylcyclohexane	15	Ū
78-87-5	1,2-Dichloropropane	15	Ū
75-27-4	Bromodichloromethane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
108-10-1	4-Methyl-2-Pentanone	15	U
108-88-3	Toluene	15	Ū
10061-02-6	trans-1,3-Dichloropropene	15	U
79-00-5	1,1,2-Trichloroethane	15	Ū
127-18-4	Tetrachloroethene	15	U
591-78-6	2-Hexanone	. 15	Ū
124-48-1	Dibromochloromethane	15	U
106-93-4	1,2-Dibromoethane	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
1330-20-7	Xylene (Total)	15	U
100-42-5	Styrene	15	U
75-25-2	Bromoform	15	U
98-82-8	Isopropylbenzene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	IJ
541-73-1	1,3-Dichlorobenzene	15	Ŭ
106-46-7	1,4-Dichlorobenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	U
96-12-8	1,2-Dibromo-3-chloropropane	15	U
120-82-1	1,2,4-Trichlorobenzene	15	U

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0094
-------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-16

Sample wt/vol: 4.4 (g/mL) G

Lab File ID: OG258

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 24

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: (uL)

Number TICs found: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER				CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	16.91		11	NJ
2.					
3. 4.				<del></del>	
5.			*********		
6.					
7.		1.			
8.				,	
9. 10.			-		
11.	1-7-1-10-10-10-10-10-10-10-10-10-10-10-10-1				
12.					
13.					
14.					
15.					
16. 17.					
18.			· · · · · · · · · · · · · · · · · · ·	·	
19.					
20.			· · · · · · · · · · · · · · · · · · ·		
21.					
22.					
23. 24.					
25.					
26.			·,		
27.			<u>.</u>		
28.					
29.					
30.					

FORM I VOA-TIC

OLM04.3

EPA SAMPLE NO.

E0095

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-17

Sample wt/vol: 4.9(g/mL) G

Lab File ID: OG259

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 30

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

·			T T T
75-71-8	Dichlorodifluoromethane	15	Ü
74-87-3	Chloromethane	15	U
75-01-4	Vinyl Chloride	15	U U
74-83-9	Bromomethane	15	U
75-00-3	Chloroethane	15	U
75-69-4	Trichlorofluoromethane	15	Ū
$\frac{75-35-1}{75-35-4}$	1,1-Dichloroethene	15	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15	Ū
67-64-1	Acetone	110	
75-15-0	Carbon Disulfide	3	J
79-20-9	Methyl Acetate	15	U
75-09-2	Methylene Chloride	15 8	JBU.
156-60-5	trans-1,2-Dichloroethene	15	Ú
1634-04-4	Methyl tert-Butyl Ether	15	Ū
75-34-3	1,1-Dichloroethane	15	Ū
	cis-1,2-Dichloroethene	15	Ū
156-59-2		35	
78-93-3	2-Butanone	15	U
67-66-3	Chloroform		U
71-55-6	1,1,1-Trichloroethane	15	
110-82-7	Cyclohexane	15	U
56-23-5	Carbon Tetrachloride	15	U
71-43-2	Benzene	15	Ū
107-06-2	1,2-Dichloroethane	15	U

EPA SAMPLE NO.

E0	095	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-17

Sample wt/vol: 4.9(g/mL) G

Lab File ID: OG259

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 30

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (uq/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

		1.	тт
79-01-6	Trichloroethene	15	U
108-87-2	Methylcyclohexane	15	U
78-87-5	1,2-Dichloropropane	15	U
75-27-4	Bromodichloromethane	15	IJ
10061-01-5	cis-1,3-Dichloropropene	. 15	U
108-10-1	4-Methyl-2-Pentanone	15	U
108-88-3	Toluene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
79-00-5	1,1,2-Trichloroethane	15	Ū
127-18-4	Tetrachloroethene	15	U
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	15	U
106-93-4	1,2-Dibromoethane	15	U
108-90-7	Chlorobenzene	. 15	U
100-41-4	Ethylbenzene	15	U
1330-20-7	Xylene (Total)	15	U
100-42-5	Styrene	15	U
75-25-2	Bromoform	15	Ū
98-82-8	Isopropylbenzene	15	Ū
79-34-5	1,1,2,2-Tetrachloroethane	15	Ū
541-73-1	1,3-Dichlorobenzene	15	Ū
106-46-7	1,4-Dichlorobenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	Ţ:
96-12-8	1,2-Dibromo-3-chloropropane	15	<del>  </del>
120-82-1	1.2.4-Trichlorobenzene	15	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0095
-------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-17

Sample wt/vol: 4.9 (g/mL) G

Lab File ID: OG259

Level: (low/med)

LOW

Date Received: 05/07/04

% Moisture: not dec. 30

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume:____(uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME		EST. CONC.	Q =====
	CYCLOTETRASILOXANE, OCTAMET	1		NJ
1. 556-67-2	CICLOIETRASTIONAIVE, OCTAMBI	10.50	·····	
3.				
4.				
5.				
6.				
7.				
8.				1
9.				
10.				
11.				
12.				
13.	744			
14.				
15.		<u> </u>		-
16.				<del> </del>
17.				-
18.				
19.				·
20.				
21.				
22. 23.				<del>                                     </del>
24.				
25.				
26.				
27.				
28.				
29.				
30.				

EPA SAMPLE NO.

E0096

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-18

Sample wt/vol: 4.5(g/mL) G

Lab File ID: OG260

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 34

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	17	Ū
74-87-3	Chloromethane	17	U
75-01-4	Vinyl Chloride	17	U
74-83-9	Bromomethane	17	U
75-00-3	Chloroethane	. 17	U
75-69-4	Trichlorofluoromethane	17	U
75-35-4	1,1-Dichloroethene	. 17	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17	U
67-64-1	Acetone	100	
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	17	U
75-09-2	Methylene Chloride	178	JB11
156-60-5	trans-1,2-Dichloroethene	17	Ū
1634-04-4	Methyl tert-Butyl Ether	17	U
75-34-3	1,1-Dichloroethane	17	U
156-59-2	cis-1,2-Dichloroethene	17	U
78-93-3	2-Butanone	30	
67-66-3	Chloroform	17	U
71-55-6	1,1,1-Trichloroethane	17	Ū
110-82-7	Cyclohexane	17	U
56-23-5	Carbon Tetrachloride	17	Ū
71-43-2	Benzene	17	U
107-06-2	1,2-Dichloroethane	17	U

EPA SAMPLE NO.

E0096

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-18

Sample wt/vol: 4.5(g/mL) G

Lab File ID: OG260

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 34

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

•			<del></del>
79-01-6	Trichloroethene	17	U
108-87-2	Methylcyclohexane	17	Ŭ
78-87-5	1,2-Dichloropropane	17	U
75-27-4	Bromodichloromethane	17	U
10061-01-5	cis-1,3-Dichloropropene	17	U
108-10-1	4-Methyl-2-Pentanone	17	U
108-88-3	Toluene	17	U
10061-02-6	trans-1,3-Dichloropropene	17	U
79-00-5	1,1,2-Trichloroethane	17	U U
127-18-4	Tetrachloroethene	17	U
591-78-6	2-Hexanone	17	U '
124-48-1	Dibromochloromethane	17	U I
106-93-4	1,2-Dibromoethane	17	U
108-90-7	Chlorobenzene	17	U
100-41-4	Ethylbenzene	17	U
1330-20-7	Xylene (Total)	17	U
100-42-5	Styrene	17	I U
75-25-2	Bromoform	17	U
98-82-8	Isopropylbenzene		J
79-34-5	1,1,2,2-Tetrachloroethane	17	U
541-73-1	1,3-Dichlorobenzene	17	U
106-46-7	1,4-Dichlorobenzene	17	U
95-50-1	1,2-Dichlorobenzene	17	U
96-12-8	1,2-Dibromo-3-chloropropane	17	U T
120-82-1	1,2,4-Trichlorobenzene	17	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab	Name:	CEIMIC CC	RP.	·	Contract:	68-W-03-	-018		
Lab	Code:	CEIMIC	Case No.:	32839	SAS No.:	•	SDG No.	:	E0074

Contract: 68-W-03-018

E0096	
	1

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-18

Sample wt/vol: 4.5 (g/mL) G

Lab File ID: OG260

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 34

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
=				
.2.				
3.				
4.				
5.				
6.				
7.	· · · · · · · · · · · · · · · · · · ·			
8.				
9.	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		,	
10.		-		
12.				
13.				
14.				
15.				
16.		-		
17.				
18.				,
19.				
20.				ļ
21.				
22.				<del> </del>
23.				
24.				-
26.				<del> </del>
27.				<del></del>
28.				
29.				
30.				

EPA SAMPLE NO.

E0097	•	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-19

Sample wt/vol: 7.2(g/mL) G

Lab File ID: OG261

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 53

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(uL)

67-66-3

71-55-6 110-82-7

56-23-5 71-43-2

107-06-2

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

Chloroform

Cyclohexane

Benzene

1,1,1-Trichloroethane

Carbon Tetrachloride

1,2-Dichloroethane

	75-71-8	Dichlorodifluoromethane		
i	74-87-3	Chloromethane	15	U
	75-01-4	Vinyl Chloride	15	U
	74-83-9	Bromomethane	15	U
	75-00-3	Chloroethane	15	U
	75-69-4	Trichlorofluoromethane	15	U
	75-35-4	1,1-Dichloroethene	15	Ŭ ·
	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15	U
	67-64-1	Acetone	17	
	75-15-0	Carbon Disulfide	7	J
	79-20-9	Methyl Acetate	15	U
	75-09-2	Methylene Chloride	158	JBU VI
	156-60-5	trans-1,2-Dichloroethene	15	Ŭ /
	1634-04-4	Methyl tert-Butyl Ether	. 15	U
	75-34-3	1,1-Dichloroethane	15	U
	156-59-2	cis-1,2-Dichloroethene	15	U
	78-93-3	2-Butanone	5	J

Ū

Ū

U

15

15

15

EPA SAMPLE NO.

E0097	
10007	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-19

Sample wt/vol: 7.2(g/mL) G

Lab File ID: OG261

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: not dec. 53

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

CAS NO. COMPOUND

Soil Aliquot Volume: ____(uL)

		15	.U
79-01-6	Trichloroethene		· -
108-87-2	Methylcyclohexane	15	U
78-87-5	1,2-Dichloropropane	15	U
75-27-4	Bromodichloromethane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
108-10-1	4-Methyl-2-Pentanone	15	U
108-88-3	Toluene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U ·
79-00-5	1,1,2-Trichloroethane	15	U
127-18-4	Tetrachloroethene	15	<u>U</u>
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	15	Ŭ
106-93-4	1,2-Dibromoethane	15	Ū
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
1330-20-7	Xylene (Total)	15	U ·
100-42-5	Styrene	.15	U
75-25-2	Bromoform	15	U
98-82-8	Isopropylbenzene	15	Ŭ
79-34-5	1,1,2,2-Tetrachloroethane	2	J.
541-73-1	1,3-Dichlorobenzene	15	U
106-46-7	1,4-Dichlorobenzene	15	Ū
95-50-1	1,2-Dichlorobenzene	15	U
96-12-8	1,2-Dibromo-3-chloropropane	15	U
120-82-1	1,2,4-Trichlorobenzene	15	U
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0097
-------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-19

Sample wt/vol: 7.2 (g/mL) G Lab File ID: OG261

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 53 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: ____(uL) Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	16.90	. 9	NJ
2.	UNKNOWN	20.54	11	J
3.	UNKNOWN	21.20	8	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.	A-1-4-1-4-1-4-1-4-1-4-1-4-1-4-1-4-1-4-1-			
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: V150511-B2

Sample wt/vol: 5.0(g/mL) G

Lab File ID: OG210

Level: (low/med) LOW

Date Received:

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: (uL)

% Moisture: not dec. _____

CONCENTRATION UNITS:

. (uq/L or ug/Kg) UG/KG Q CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	10	Ū
74-87-3	Chloromethane	10	Ū
$\frac{74-87-3}{75-01-4}$	Vinyl Chloride	10	Ū
	Bromomethane	10	Ū
74-83-9	Chloroethane	10	Ū
75-00-3	Trichlorofluoromethane	10	U
75-69-4		10	Ū
75-35-4	1,1-Dichloroethene	10	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	TJ
67-64-1	Acetone	10	T U
75-15-0	Carbon Disulfide	10	TI TI
79-20-9	Methyl Acetate	7	
75-09-2	Methylene Chloride	,	J
156-60-5.	trans-1,2-Dichloroethene	10	Ü
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	. 10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	Ū
107-06-2	1,2-Dichloroethane	10	U

 ·		
VBLK	QC	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

VBLKOQ	ļ
	l

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: V150511-B2

Sample wt/vol: 5.0(g/mL) G

Lab File ID: OG210

Date Received:

Level: (low/med) LOW

% Moisture: not dec.

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Soil Extract Volume: ____(uL)

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

		10	IJ
79-01-6	Trichloroethene	10	Ū U
108-87-2	Methylcyclohexane	10	<del>  U</del>
78-87-5	1,2-Dichloropropane	10	TJ
75-27-4	Bromodichloromethane		U
10061-01-5	cis-1,3-Dichloropropene	10	
108-10-1	4-Methyl-2-Pentanone	10	Ü
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	<u>U</u>
127-18-4	Tetrachloroethene	10	Ü
591-78-6	2-Hexanone	1.0	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10_	U
75-25-2	Bromoform	10	Ū
98-82-8	Isopropylbenzene	10	U_
79-34-5	1,1,2,2-Tetrachloroethane	10	U
$\frac{75.34.5}{541-73-1}$	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
120-82-1	1,2,4 111011010001120110		

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: V150511-B2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OG210 ·

Level: (low/med) LOW

Date Received:

% Moisture: not dec. _____

Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: (uL)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT -	EST. CONC.	Q =====
.======================================				
2.				
3.	·			
4.				
5.				
6.				
7				<del></del>
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.		<del> </del>		
16.				
17.				
18.				
19.				
20.				
$\frac{21}{22}$ .		<del> </del>		
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

VBLKOR	
	1

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: V150513-B1

Sample wt/vol: 5.0(g/mL) G

Lab File ID: OG249

Date Received:

Level: (low/med) LOW

% Moisture: not dec. _____

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

CAS NO. COMPOUND

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

		10	T I
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	Ū
75-01-4	Vinyl Chloride		
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ü
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	5	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	Ū
67-66-3	Chloroform	10	Ū
71-55-6	1,1,1-Trichloroethane	10	Ū
$\frac{71333}{110-82-7}$	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	Ū
71-43-2	Benzene	10	Ū
	1,2-Dichloroethane	10	U
107-06-2	1,2-DICHIOLOECHARE		1

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOR
--------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: V150513-B1

Sample wt/vol: 5.0(g/mL) G

Lab File ID: OG249

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec.

Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

CAS NO. COMPOUND

Soil Aliquot Volume: (uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

			•
79-01-6	Trichloroethene	2	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	Ü
10061-02-6	trans-1,3-Dichloropropene	10	Ŭ ·
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	<u>U</u>
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
1			

### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

TACTIO.	O	

Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: V150513-B1

Sample wt/vol:

Lab Code: CEIMIC

5.0 (g/mL) G

Lab File ID: OG249

Date Received:

Level: (low/med)

LOW

Date Analyzed: 05/13/04

% Moisture: not dec. _____

Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm)

Soil Aliquot Volume: (uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 2

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1.	UNKNOWN	19.48	5	J .
2.	UNKNOWN	21.79	18	J
3.				
4.				
5.				
6.				
7.		•		
8.				
9.				
10.				
11.				<u> </u>
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				-
24.				
25.				
26.				
27.				
28.			,	
29. 30.				
JU.			<u></u>	<u> </u>

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOU
--------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: V150518-B1

Sample wt/vol: 5.0(g/mL) G

Lab File ID: OG317

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 05/18/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	10	Ū
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	Ū
75-00-3	Chloroethane	10	IJ
75-69-4	Trichlorofluoromethane	10	Ū
75-35-4	1,1-Dichloroethene	10	IJ
1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ū
76-13-1		10	TI
67-64-1	Acetone Corbon Digulfido	10	ŢŢ
75-15-0	Carbon Disulfide	10	Ū
79-20-9	Methyl Acetate	7	J
75-09-2	Methylene Chloride	10	TT T
156-60-5	trans-1,2-Dichloroethene	10	ŢŢ
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane		U
156-59-2	cis-1,2-Dichloroethene	10	IJ.
78-93-3	2-Butanone	10	
67-66-3	Chloroform	10	Ŭ
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOU

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: V150518-B1

Sample wt/vol: 5.0(g/mL) G

Lab File ID: OG317

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 05/18/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

			**
79-01-6	Trichloroethene	2	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	. 10	U
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	.10	U.
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	Ū
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	Ŭ
106-46-7	1,4-Dichlorobenzene	, 10	Ū
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	Ū

# VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS **VBLKOU** Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Sample wt/vol: 5.0 (g/mL) G

Level: (low/med) LOW

% Moisture: not dec. ____

GC Column: DB-624 ID: 0.25 (mm)

Soil Extract Volume: ____(uL)

Number TICs found: 0

Lab Sample ID: V150518-B1

Lab File ID: OG317

Date Received:

Date Analyzed: 05/18/04

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number 1105 200101				
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1. 2. 3.				
3.				
4.				
5.				<u> </u>
6.				
7.				
8.				
9.				
10.				
12.				
13.				
14				<del></del>
14. 15.				-
16.				
17.				<del> </del>
18.				
19.				<u> </u>
20.				
21.				
22.				
23 · 24 ·				
25.				
26.				ļ
27.				ļ
28.		·		
29.		ļ		
30.		<u> </u>	<u> </u>	

VOLATILE ORGANICS ANALYSIS DATA SHEET

VHBLK01	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-21

Sample wt/vol: 5.0(g/mL) G

Lab File ID: OG320

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 05/18/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	Ū
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ū
67-64-1	Acetone	10	Ŭ .
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	Ū
75-09-2	Methylene Chloride	10 8	JB/
156-60-5	trans-1,2-Dichloroethene	10	<u>U</u> 6/
156-60-5 1634-04-4	Methyl tert-Butyl Ether	10	U
		10 10	U
1634-04-4	Methyl tert-Butyl Ether	. 10 10 10	U U
1634-04-4 75-34-3	Methyl tert-Butyl Ether 1,1-Dichloroethane	10 10 10 10	U U U
1634-04-4 75-34-3 156-59-2	Methyl tert-Butyl Ether  1,1-Dichloroethane cis-1,2-Dichloroethene	10 10 10 10 10	U U U U
1634-04-4 75-34-3 156-59-2 78-93-3	Methyl tert-Butyl Ether  1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Chloroform 1,1,1-Trichloroethane	10 10 10 10 10 10	U U U U U
1634-04-4 75-34-3 156-59-2 78-93-3 67-66-3	Methyl tert-Butyl Ether  1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Chloroform	10 10 10 10 10 10	U U U U U U
1634-04-4 75-34-3 156-59-2 78-93-3 67-66-3 71-55-6	Methyl tert-Butyl Ether  1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Chloroform 1,1,1-Trichloroethane	10 10 10 10 10 10 10	U U U U U U U
1634-04-4 75-34-3 156-59-2 78-93-3 67-66-3 71-55-6 110-82-7	Methyl tert-Butyl Ether  1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Chloroform 1,1,1-Trichloroethane Cyclohexane Carbon Tetrachloride Benzene	10 10 10 10 10 10 10 10	U U U U U U U
1634-04-4 75-34-3 156-59-2 78-93-3 67-66-3 71-55-6 110-82-7 56-23-5	Methyl tert-Butyl Ether  1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Chloroform 1,1,1-Trichloroethane Cyclohexane Carbon Tetrachloride	10 10 10 10 10 10 10	U U U U U U U

Contract: 68-W-03-018 Lab Name: CEIMIC CORP

VHBLK01

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-21

Sample wt/vol: 5.0(g/mL) G

Lab File ID: OG320

Level: (low/med) LOW

Date Received:

CAS NO.

% Moisture: not dec.

Date Analyzed: 05/18/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: ____(uL)

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

<u>-</u> ~		40.7	TD 44
79-01-6	Trichloroethene	10 %	JB U
108-87-2	Methylcyclohexane	10	Ŭ
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	1	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	Ü
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP

Number TICs found: 0

Contract: 68-W-03-018

hab mame: chille coll	
Lab Code: CEIMIC Case No.: 32839	SAS No.: SDG No.: E0074
Matrix: (soil/water) SOIL	Lab Sample ID: 040369-21
Sample wt/vol: 5.0 (g/mL) G	Lab File ID: OG320
Level: (low/med) LOW	Date Received:
% Moisture: not dec	Date Analyzed: 05/18/04
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.			====================================	====
2.				
3.				
4.				
5.				
6.				
7.				
8. 9.			· · · · · · · · · · · · · · · · · · ·	
0.				
1.				
2.	,			
3.				
4.				
5.				
.6.	· · · · · · · · · · · · · · · · · · ·			
7.				
.8.				
9.				
21.				
22.				
.3.	<u> </u>			
24.				
5.				
6.				
27.				
28.				,
0.				

## SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Level: (low/med) LOW

	EPA	S1	S2	S3	S4	S5	S6	S7	S8	TOT
	SAMPLE NO.	(NBZ)#	(FBP)#	(TPH)#	(PHL)#	(2FP)#	(TBP)#	(2CP)#	(DCB)#	OUT
	=======================================	=====	=====	=====	=====	=====	=====	=====	======	===
01	SBLKDH	51	59	82	68	72	68	56	48	0
02	SBLKDI	76	82	76	88	88	120	80	76	0
03	E0074	50	70	65	67	63	47	53	48	0
04	E0075	74	83	61	80	80	120	69	70	0
05	E0086	65	75	47	73	67	90	63	60	0
06	E0086MS	44	60	42	57	53	83	47	42	0
07	E0086MSD	55	65	40	63	67	77	53	55	0
08	E0083	50	59	28	53	41	38	44	45	0
09	E0084	55	64	31	55	39	36	45	50	0
10	SBLKJQ	76	76	59	80	72	88	76	71	0
11	E0076	55	70	48	67	. 57	67	63	48	0
12	E0085	53	58	48	52	41	52	45	46	0
13	E0089	56	67	44	65	54	65	58	49	0
14	E0094	54	69	46	64	51	74	56	46	0
15	E0095	61	70	48	66	57	71	63	57	0
16	E0096	44	60	44	53	39	66	45	35	0
17										
18										
19										
20										
?1										
22										
23						· · · · · · · · · · · · · · · · · · ·				
24				•						
25							·			
26				-						
27										<u> </u>
28						,			·	L
29	Market Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the		'							<b>  </b>
30		l								

				QC LIMITS	
S1	(NBZ)	=	Nitrobenzene-d5	(23-120)	
S2	(FBP)	=	2-Fluorobiphenyl	(30-115)	
S3	(TPH)	=	Terphenyl-d14	(18-137)	
S4	(PHL)	=	Phenol-d5	(24-113)	
S5	(2FP)	=	2-Fluorophenol	(25-121)	
S6	(TBP)	=	2,4,6-Tribromophenol	(19-122)	
S7	(2CP)	=	2-Chlorophenol-d4	(20-130)	(advisory)
S8	(DCB)	=	1,2-Dichlorobenzene-d4	(20-130)	(advisory)

[#] Column to be used to flag recovery values
* Values outside of contract required QC limits

page 1 of 1

FORM II SV-2

D Surrogate diluted out

## SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839 SAS No.:

SDG No.: E0074

Level: (low/med) MED

	EPA	S1	S2	S3	S4	S5	S6	S7	S8	TOT
	SAMPLE NO.	(NBZ)#	(FBP)#	(TPH)#	(PHL)#	(2FP)#	(TBP)#	(2CP)#	(DCB)#	OUT
		=====	=====		=====	======	=====		=====	===
01	SBLKKU	74	76	74	79	. 75	95	76	66	0
02	E0082	59	63	70	58	55	76	55	50	0
03	E0087	81	85	85	85	82	100	83	71	0
04	E0087MS	65	70	75	66	60	81	63	58	0
05	E0087MSD	65	75	74	68	64	91	67	59	0
06	E0088	53	70	. 72	51	43	54	49	45	0
07	E0090	70	76	76	71	65	77	68	64	0
80	E0091	58	71	80	55	45	68	51	50	0
09	E0093	69	81	85	76	72	104	75	65	0
10	E0097	66	76	79	70	66	87	68	60	0
11	SBLKJW	66	68	78	69	63	71	65	60	0
12	E0092	47	67	78	48	33	37	43	41	0
13										
14										
15								,		
16										
17										
18									•	
19										
20									· · · · · · · · · · · · · · · · · · ·	
21	/									
22						•				
23										
24								-		
25										
26 27										
28				,						
29										
30										
ا ∪ د		I				<u>.</u>				

				QC LIMITS	
S1	(NBZ)	=	Nitrobenzene-d5	(23-120)	a.
S2	(FBP)	=	2-Fluorobiphenyl	(30-115)	
S3	(TPH)	=	Terphenyl-d14	(18-137)	
S4	(PHL)	=	Phenol-d5	(24-113)	
S5	(2FP)	=	2-Fluorophenol	(25-121)	
S6	(TBP)	=	2,4,6-Tribromophenol	(19-122)	
S7	(2CP)	=	2-Chlorophenol-d4	(20-130)	(advisory)
S8	(DCB)	=	1,2-Dichlorobenzene-d4	(20-130)	(advisory)

[#] Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

page 1 of 1

FORM II SV-2

## SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix Spike - EPA Sample No.: E0086 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	3000	0.0	1700	57	26- 90
2-Chlorophenol	3000	0.0	1500	50	25-102
N-Nitroso-di-n-prop.(1)	2,000	0.0	950	48	41-126
4-Chloro-3-Methylphenol	3000	0.0	1900	63	26-103
Acenaphthene	2000	100	1400	.65	31-137
4-Nitrophenol	3000	0.0	1900	63	11-114
2,4-Dinitrotoluene	2000	0.0	1400	70	28- 89
Pentachlorophenol	3000	0.0	720	24	17-109
Pyrene	2000	800	1700	45	35-142

	SPIKE	MSD	MSD			
COMPOUND	ADDED	CONCENTRATION	8 8	%		IMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC #	RPD #	RPD	REC.
Phenol	3000	1800	60	5	35	26- 90
2-Chlorophenol	3000	1800	60	18	50	25-102
N-Nitroso-di-n-prop.(1)	2000	1100	55	14	38	41-126
4-Chloro-3-Methylphenol	3000	1800	60	5	33	26-103
Acenaphthene	2000	1300	60	8	19	31-137
4-Nitrophenol	3000	1800	60	5	50	11-114
2,4-Dinitrotoluene	2000	1300	65	7	47	28- 89
Pentachlorophenol	3000	770	26	8 .	47	17-109
Pyrene	2000	1600	40	12	36	35-142

### (1) N-Nitroso-di-n-propylamine

#	Column	to be u	ised to	flag	recovery	and	RPD	values	with	an	asterisk
*	Values	outside	$a \circ f \cdot OC$	' limi	ts						

RPD: 0 out of 9 outside limits Spike Recovery: 0 out of 18 outside limits

COMMENTS:	

## SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix Spike - EPA Sample No.: E0087 Level:(low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
=======================================	========	=======================================		=====	=====
Phenol	86000	0.0	52000	60	26- 90
2-Chlorophenol	86000	0.0	47000	55	25-102
N-Nitroso-di-n-prop.(1)	57000	0.0	33000	58	41-126
4-Chloro-3-Methylphenol	86000	0.0	59000	69	26-103
Acenaphthene	57000	0.0	39000	68	31-137
4-Nitrophenol	86000	0.0	65000	76	11-114
2,4-Dinitrotoluene	57000	0.0	42000	74	28- 89
Pentachlorophenol	86000	0.0	38000	44	17-109
Pyrene	57000	31000	99000	119	35-142

	SPIKE	MSD	MSD	_		
	ADDED	CONCENTRATION	%	. %	QC L	IMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC #	RPD#	RPD	REC.
	=======	==========	=====	=====	=====	=====
Phenol	100000	62000	62	3	35	26- 90
2-Chlorophenol	100000	58000	58	5	50	25-102
N-Nitroso-di-n-prop.(1)	68000	39000	57	·2	38	41-126
4-Chloro-3-Methylphenol	100000	74000	74	7	33	26-103
Acenaphthene	68000	49000	72	6	19	31-137
4-Nitrophenol	100000	77000	77	1	50	11-114
2,4-Dinitrotoluene	68000	51000	75	1	47	28- 89
Pentachlorophenol	100000	47000	47	7	47	17-109
Pyrene	68000	64000	49	83*	36	35-142

### (1) N-Nitroso-di-n-propylamine

#	Column	to be us	sed	to	flag	recovery	and	RPD	values	with	an	asterisk
		outside										

RPD:	1	out of	9	out	tsid	de l	imits	
Snika	Do	corrowr.	$\cap$	$\alpha$ 11 $\pm$	of	10	outaido	7 imit

COMMENTS:		
		 ***

EPA SAMPLE NO.

SBLKDH	
--------	--

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Lab File ID: DH284

Lab Sample ID: S0506-B2D

Instrument ID: MS4

Date Extracted: 05/06/04

Matrix: (soil/water) SOIL

Date Analyzed: 05/18/04

Level: (low/med) LOW

Time Analyzed: 1519

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	LAB	DATE
21	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	======= E0074	040369-01	DH288	05/18/04
02 03		*		
03				
04 05				
06				
07				
08 09				
10				
11				
12				· · · · · · · · · · · · · · · · · · ·
13 14				
15				
16				
17				-
18 19				
20				
21				
22 23				
24				
24 25 26 27				
26				
27				
29				
30				

COMMENTS:	

page 1 of 1

FORM IV SV

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab File ID: DH286

Lab Sample ID: S0510-B3D

Instrument ID: MS4

Date Extracted: 05/10/04

Matrix: (soil/water) SOIL

Date Analyzed: 05/18/04

Level: (low/med) LOW

Time Analyzed: 1627

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
		==	=========	========
01	E0075	040369-02	DH289	05/18/04
02	E0086	040369-08	DH290	05/18/04
03	E0086MS	040369-08MS	DH291	05/18/04
04	E0086MSD	040369-08MSD	DH292	05/18/04
05	E0083	040369-05	DH293	05/18/04
06 07	E0084	040369-06	DH294	05/18/04
08				
09				
10				
11				<u> </u>
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25 26				
27				
28				
29				,
30				
201				'

COMMENTS:					•	
	 	· · · · · · · · · · · · · · · · · · ·	 			

page 1 of 1

FORM IV SV

EPA SAMPLE NO.

Lab Name: CEIMIC CORP.

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Lab File ID: JL199

Lab Sample ID: S0510-B3J

Instrument ID: MS10

Date Extracted: 05/10/04

Matrix: (soil/water) SOIL

Date Analyzed: 05/21/04

Level: (low/med) LOW

Time Analyzed: 1410

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
		==========		========
01	E0076	040369-03	JL246	05/25/04
02	E0085	040369-07	JL247	05/25/04
03	E0089	040369-11	JL248	05/25/04
04	E0094	040369-16	JL249	05/25/04
05	E0095	040369-17	JL250	05/25/04
06	E0096	040369-18	JL251	05/25/04
07				
08				-
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20	4			
21				
22				
23				
24				
25				
26	·			
27				
28				
29				
30				

COMMENTS:	

page 1 of 1

FORM IV SV

EPA SAMPLE NO.

CRI	TATE ST.	
SBT	יאראי	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839

SAS No.:

SDG No.: E0074

Lab File ID: JL243

Lab Sample ID: MS0513-B4J

Instrument ID: MS10

Date Extracted: 05/13/04

Matrix: (soil/water) SOIL

Date Analyzed: 05/25/04

Level:(low/med) MED

Time Analyzed: 1312

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

-	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	======= E0092	040369-14	JL252	05/25/04
02 03				
04 05				
05 06				
07				
08 09		-		
10				
11 12				
13 14				·
15				
16 17	-			
18				
19 20				
20 21 22				
23				
24 25				
26				
27 28				
29				
30				•

COMMENTS:	

page 1 of 1

FORM IV SV

EPA SAMPLE NO.

SRI	KKII	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839

SAS No.:

SDG No.: E0074

Lab File ID: K8400

Lab Sample ID: MS0514-B4K

Instrument ID: MS11

Date Extracted: 05/14/04

Matrix: (soil/water) SOIL

Date Analyzed: 05/20/04

Level: (low/med) MED

Time Analyzed: 1539

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	=========	=============	===========	========
01	E0082	040369-04	K8410	05/20/04
02	E0087	040369-09	K8411	05/20/04
03	E0087MS	040369-09MS	K8412	05/20/04
04	E0087MSD	040369-09MSD	K8413	05/20/04
05	E0088	040369-10	K8414	05/20/04
06	E0090	040369-12	K8415	05/20/04
07	E0091	040369-13	K8416	05/20/04
08	E0093	040369-15	K8417	05/20/04
09	E0097	040369-19	K8418	05/21/04
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				:
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:	

page 1 of 1

FORM IV SV

E0074

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-01

Sample wt/vol: 30.2(g/mL) G

Lab File ID: DH288

Level: (low/med) LOW

Date Received: 05/05/04

% Moisture: 16 Decanted: (Y/N)N

Date Extracted: 05/06/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6

Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	. 390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	Ū
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U .
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	. 390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	Ū.
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	Ū
92-52-4	1,1'-Biphenyl	390	Ū
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate ·	390	Ū
606-20-2	2,6-Dinitrotoluene	390	Ū
208-96-8	Acenaphthylene	390	Ū
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	390	Ū

#### 1D

EPA SAMPLE NO.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0074

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

SDG No.: E0074

Case No.: 32839 SAS No.:

Lab Sample ID: 040369-01

Matrix: (soil/water) SOIL

Sample wt/vol:

Lab Code: CEIMIC

30.2(g/mL) G

Lab File ID: DH288

Level:

(low/med) LOW

Date Received: 05/05/04

% Moisture: 16

Decanted: (Y/N)N

Date Extracted: 05/06/04

Concentrated Extract Volume:

500 (uL)

Injection Volume: 2.0(uL)

Date Analyzed: 05/18/04 Dilution Factor: 1.0

GPC Cleanup:

(Y/N) Y

pH: 8.6

Extraction: (Type) SONC

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

		(-5, = 12 -5, -5, - <u>, -</u>	
51-28-5	2,4-Dinitrophenol	980	Ū
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-nitrosodiphenylamine (1)	390	Ū
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	Ū
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	190	J
120-12-7	Anthracene	390	Ŭ
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	370	J
129-00-0	Pyrene	310	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a) anthracene	200	J
218-01-9	Chrysene	270	J
117-81-7	bis(2-Ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b) fluoranthene	550	
207-08-9	Benzo(k)fluoranthene	290	J
50-32-8	Benzo(a)pyrene	190	J
193-39-5	Indeno(1,2,3-cd)pyrene	86	J
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	110	J

(1) - Cannot be separated from Diphenylamine

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0074

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-01

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: DH288

30.

Level: (low/med) LOW

Date Received: 05/05/04

% Moisture: 16 Decanted: (Y/N) N Date Extracted:05/06/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 16

				1
CAS NUMBER	. COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.23	150	JB U
$\frac{1}{2}$ .	UNKNOWN	7.43	110	J
3.	UNKNOWN	7.51	330	JB//
4.	UNKNOWN	11.87	84	J
5.	UNKNOWN FATTY ACID	12.15	81	J
6.	UNKNOWN PAH	12.25	130	J
7.	UNKNOWN PAH	12.81	99	J
8.	UNKNOWN KETONE	15.07	140	J
9.	UNKNOWN AMIDE	15.40	160	J
10.	UNKNOWN	15.58	100	J
11.	UNKNOWN ALCOHOL/ALKENE	15.77	530	J
12.	UNKNOWN	15.99	260	J
13.	UNKNOWN	16.22	220	J
14.	UNKNOWN	16.30	610	J
15. 207-08-9	BENZO [K] FLUORANTHENE	16.64	370	NJ
16.	UNKNOWN	18.77	170	J
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.			,	
25.				
26.				
27.				
28.				
29.				

FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0075

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-02

Sample wt/vol: 30.0(q/mL) G

Lab File ID: DH289

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 29 Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

108-95-2 Phenol

88-06-2

95-95-4

92-52-4

91-58-7

83-32-9

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

460

460

Ū

U

Ū

U

IJ

Ū

460

460

460

460

460

460

460

1200

460

1200

1200

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

91-57-6 2-Methylnaphthalene

88-74-4 2-Nitroaniline

208-96-8 Acenaphthylene 99-09-2 | 3-Nitroaniline

131-11-3 Dimethylphthalate

606-20-2 2,6-Dinitrotoluene

77-47-4 Hexachlorocyclopentadiene

1,1'-Biphenyl

Acenaphthene

2,4,6-Trichlorophenol

2,4,5-Trichlorophenol

2-Chloronaphthalene

100-52-7 Benzaldehyde

111-44-4 bis(2-Chloroethyl)Ether 460 Ū 95-57-8 2-Chlorophenol 95-48-7 2-Methylphenol Ū 460 460 108-60-1 2,2'-oxybis(1-Chloropropane) 98-86-2 Acetophenone 460 98-86-2 460 106-44-5 4-Methylphenol 460 621-64-7 N-Nitroso-di-n-propylamine 460 67-72-1 Hexachloroethane 460 98-95-3 Nitrobenzene 460 78-59-1 Isophorone 460 88-75-5 2-Nitrophenol 460 105-67-9 2,4-Dimethylphenol 460 U 111-91-1 bis(2-Chloroethoxy)methane U 460 120-83-2 2,4-Dichlorophenol IJ 460 91-20-3 Naphthalene J 76 106-47-8 4-Chloroaniline 460 87-68-3 Hexachlorobutadiene 460 U 105-60-2 Caprolactam 460 U 59-50-7 4-Chloro-3-Methylphenol 460

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0075

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-02

Sample wt/vol: 30.0(g/mL) G

Lab File ID: DH289

Level: (low/med) LOW

% Moisture: 29 Decanted: (Y/N)N

Date Extracted: 05/10/04

Date Received: 05/07/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

1200 51-28-5 2,4-Dinitrophenol 1200 100-02-7 4-Nitrophenol 460 132-64-9 Dibenzofuran 460 IJ 2,4-Dinitrotoluene 121-14-2 460 Ħ 84-66-2 Diethylphthalate 86-73-7 Fluorene 460 U 7005-72-3 4-Chlorophenyl-phenylether 460 IJ 100-01-6 4-Nitroaniline 1200 4,6-Dinitro-2-methylphenol 534-52-1 1200 U N-nitrosodiphenylamine (1) Ū 86-30-6 460 Ū 101-55-3 4-Bromophenyl-phenylether 460 460 118-74-1 Hexachlorobenzene 460 IJ 1912-24-9 Atrazine 1200 87-86-5 Pentachlorophenol 360 85-01-8 Phenanthrene 120-12-7 Anthracene 51 460 86-74-8 Carbazole 84-74-2 Di-n-butylphthalate 460 1700 206-44-0 Fluoranthene 840 129-00-0 Pyrene 460 85-68-7 Butylbenzylphthalate 91-94-1 3,3'-Dichlorobenzidine 460 460 Benzo (a) anthracene 56-55-3 1100 218-01-9 Chrysene 117-81-7 bis(2-Ethylhexyl)phthalate 290 117-84-0 Di-n-octylphthalate 205-99-2 Benzo(b)fluoranthene 460 1600 207-08-9 Benzo(k) fluoranthene 590 50-32-8 Benzo(a)pyrene 300 Indeno (1,2,3-cd) pyrene 310 193-39-5 J Dibenzo(a,h)anthracene J 53-70-3 360 191-24-2 | Benzo(q,h,i)perylene

(1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0075

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-02

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: DH289

Level: (low/med)

LOW

Date Received: 05/07/04

% Moisture: 29

Decanted: (Y/N) N

Date Extracted:05/10/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.4

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 8

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.09	170	J
2. 84-65-1	9,10-ANTHRACENEDIONE	12.57	130	NJ
3.	UNKNOWN	12.81	110	J
4.	UNKNOWN AROMATIC COMPOUND	14.87	200	J
5.	UNKNOWN	15.74	120	J
6.	UNKNOWN	16.02	140	J
7.	UNKNOWN	16.50	170	J
8. 207-08-9	BENZO [K] FLUORANTHENE	16.70	730	NJ
9.				
10.				
11.				
12.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

OLMO4.3

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0076

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-03

Sample wt/vol: 30.4(g/mL) G

Lab File ID: JL246

Level: (low/med)

Date Received: 05/07/04

LOW

% Moisture: 19 Decanted: (Y/N)N

Concentrated Extract Volume: 500 (uL)

Date Extracted: 05/10/04

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 4.0

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	2000	U
108-95-2	Phenol	2000	Ū
111-44-4	bis(2-Chloroethyl)Ether	2000	U
95-57-8	2-Chlorophenol	2000	Ŭ
95-48-7	2-Methylphenol	2000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2000	U
98-86-2	Acetophenone	2000	Ū
106-44-5	4-Methylphenol	2000	Ū
621-64-7	N-Nitroso-di-n-propylamine	2000	U
67-72-1	Hexachloroethane	2000	U
98-95-3	Nitrobenzene	2000	U
78-59-1	Isophorone	2000	U
88-75-5	2-Nitrophenol	- 2000	Ū
105-67-9	2,4-Dimethylphenol	2000	Ū
111-91-1	bis(2-Chloroethoxy)methane	2000	U
120-83-2	2,4-Dichlorophenol	2000	U
91-20-3	Naphthalene	5900	
106-47-8	4-Chloroaniline	460	J
87-68-3	Hexachlorobutadiene	2000	Ū
105-60-2	Caprolactam	2000	U
59-50-7	4-Chloro-3-Methylphenol	2000	U
91-57-6	2-Methylnaphthalene	860	J
77-47-4	Hexachlorocyclopentadiene	2000	U
88-06-2	2,4,6-Trichlorophenol	2000	Ū
95-95-4	2,4,5-Trichlorophenol	5100	U
92-52-4	1,1'-Biphenyl	970	J
91-58-7	2-Chloronaphthalene	2000	U
88-74-4	2-Nitroaniline	5100	Ü
131-11-3	Dimethylphthalate :	2000	U
606-20-2	2,6-Dinitrotoluene	2000	U
208-96-8	Acenaphthylene	2000	Ū
99-09-2	3-Nitroaniline	5100	Ū
83-32-9	Acenaphthene	2000	U

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0076 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-03

Sample wt/vol:

30.4(g/mL) G

Lab File ID: JL246

Level: (low/med)

Date Received: 05/07/04

% Moisture: 19

LOW

Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume:

500 (uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y

pH: 4.0

Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

51-28-5       2,4-Dinitrophenol       5100       U         100-02-7       4-Nitrophenol       5100       U         132-64-9       Dibenzofuran       1200       J         121-14-2       2,4-Dinitrotoluene       2000       U         84-66-2       Diethylphthalate       2000       U         7005-72-3       4-Chlorophenyl-phenylether       2000       U         100-01-6       4-Nitroaniline       5100       U         534-52-1       4,6-Dinitro-2-methylphenol       5100       U         86-30-6       N-nitrosodiphenylamine (1)       2000       U         101-55-3       4-Bromophenyl-phenylether       2000       U         118-74-1       Hexachlorobenzene       2000       U	
132-64-9   Dibenzofuran   1200   J   121-14-2   2,4-Dinitrotoluene   2000   U   84-66-2   Diethylphthalate   2000   U   86-73-7   Fluorene   2000   U   100-01-6   4-Nitroaniline   5100   U   534-52-1   4,6-Dinitro-2-methylphenol   5100   U   86-30-6   N-nitrosodiphenylamine (1)   2000   U   101-55-3   4-Bromophenyl-phenylether   2000   U   101-55-3   4-Bromophenyl-phenylether   2000   U   101-55-3   4-Bromophenyl-phenylether   2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-55-3   1-2000   U   101-500   1-2000   U   101-500   1-2000   U   101-500   1-2000   U   101-500   1-2000   U   101-500   1-2000   U	
132 04 04 04 05 05 05 05 05 05 05 05 05 05 05 05 05	
84-66-2       Diethylphthalate       2000       U         86-73-7       Fluorene       2000       U         7005-72-3       4-Chlorophenyl-phenylether       2000       U         100-01-6       4-Nitroaniline       5100       U         534-52-1       4,6-Dinitro-2-methylphenol       5100       U         86-30-6       N-nitrosodiphenylamine (1)       2000       U         101-55-3       4-Bromophenyl-phenylether       2000       U	
86-73-7       Fluorene       2000       U         7005-72-3       4-Chlorophenyl-phenylether       2000       U         100-01-6       4-Nitroaniline       5100       U         534-52-1       4,6-Dinitro-2-methylphenol       5100       U         86-30-6       N-nitrosodiphenylamine (1)       2000       U         101-55-3       4-Bromophenyl-phenylether       2000       U	
7005-72-3       4-Chlorophenyl-phenylether       2000       U         100-01-6       4-Nitroaniline       5100       U         534-52-1       4,6-Dinitro-2-methylphenol       5100       U         86-30-6       N-nitrosodiphenylamine (1)       2000       U         101-55-3       4-Bromophenyl-phenylether       2000       U	
100-01-6   4-Nitroaniline   5100   U     534-52-1   4,6-Dinitro-2-methylphenol   5100   U     86-30-6   N-nitrosodiphenylamine (1)   2000   U     101-55-3   4-Bromophenyl-phenylether   2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U   2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     2000   U     20	
534-52-1       4,6-Dinitro-2-methylphenol       5100       U         86-30-6       N-nitrosodiphenylamine (1)       2000       U         101-55-3       4-Bromophenyl-phenylether       2000       U	
86-30-6         N-nitrosodiphenylamine (1)         2000         U           101-55-3         4-Bromophenyl-phenylether         2000         U	
101-55-3 4-Bromophenyl-phenylether 2000 U	
101 33 3 1 D10MoD11311/1 D11311/1301131	
110 74 1 Howard orobenzene 2000 II	
110 / 1 1 HOMACHIOLOGOCITOTIC	
1912-24-9 Atrazine 2000 U	
87-86-5 Pentachlorophenol 5100 U	
85-01-8 Phenanthrene 5700	
120-12-7 Anthracene 1000 J	
86-74-8 Carbazole 520 J	
84-74-2 Di-n-butylphthalate 2000 U	
206-44-0 Fluoranthene 13000	
129-00-0 Pyrene 9100	
85-68-7 Butylbenzylphthalate 2000 U	
91-94-1 3,3'-Dichlorobenzidine 2000 U	
56-55-3 Benzo (a) anthracene 7900	
218-01-9 Chrysene 13000	
117-81-7 bis(2-Ethylhexyl)phthalate 2000 U	
117-84-0 Di-n-octylphthalate 2000 U	
205-99-2 Benzo (b) fluoranthene 5300	
207-08-9 Benzo(k) fluoranthene 6300	
50-32-8 Benzo (a) pyrene 1900 J	
193-39-5 Indeno(1,2,3-cd)pyrene 7800	
53-70-3 Dibenzo(a,h)anthracene 1900 J	
191-24-2 Benzo(q,h,i) perylene 8300	

(1) - Cannot be separated from Diphenylamine

E0076

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-03

Sample wt/vol: 30.4 (g/mL) G Lab File ID: JL246

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 19 Decanted: (Y/N) N Date Extracted:05/10/04

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 4.0 Extraction: (Type) SONC

CONCENTRATION UNITS:
Number TICs found: 30 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=======================================		=======		=====
1. 95-13-6	INDENE	6.54	1600	NJ .
2.	UNKNOWN	12.21		J
3.	UNKNOWN PAH	13.46	530	J
4 243-17-4	11H-BENZO[B] FLUORENE	13.58	1400	NJ
5.	UNKNOWN PAH	13.81	1100	J
6.	UNKNOWN	13.91	480	J
7.	UNKNOWN	14.04	450	J
8. 82-05-3	7H-BENZ [DE] ANTHRACEN-7-ONE	14.16		IJ
9.	UNKNOWN PAH	14.33	660	J
10.	UNKNOWN PAH	14.38	5000	J
11. 205-43-6	BENZO[B]NAPHTHO[1,2-D]THIOPH	14.50	890	NJ
12.	UNKNOWN	14.86	570	J
13.	UNKNOWN AROMATIC COMPOUND	14.93	430	J
14. 1090-13-7	5,12-NAPHTHACENEDIONE	15.26		NJ _
15.	UNKNOWN PAH	15.37	440	J
16.	UNKNOWN	15.97	1700	J
17.	UNKNOWN	16.07	790	J
18.	UNKNOWN	16.20	930	J
19.	UNKNOWN	16.48	450	J
20.	UNKNOWN	16.71	580	J
21.	UNKNOWN	16.84	620	J
22. 207-08-9	BENZO [K] FLUORANTHENE	16.91	4200	NJ
23.	UNKNOWN AROMATIC COMPOUND	17.83	1100	J
24. 193-39-5	INDENO[1,2,3-CD]PYRENE	19.06	490	NJ
25.	UNKNOWN	19.39	450	J
26. 53-70-3	DIBENZ[A, H] ANTHRACENE	19.49	720	NJ
27. 193-39-5	INDENO[1,2,3-CD]PYRENE	19.63	1900	NJ
28.	UNKNOWN PAH	20.20	840	J
29. 53-70-3	DIBENZ[A,H]ANTHRACENE	20.33	440	NJ
30. 193-39-5	INDENO[1,2,3-CD]PYRENE	21.19	890	NJ

#### 1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0082

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-04

Sample wt/vol: 1.0(g/mL) G

Lab File ID: K8410

Level: (low/med) MED

Date Received: 05/07/04

% Moisture: 11 Decanted: (Y/N)N

Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4

83-32-9

Acenaphthene

Extraction: (Type) SONC

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

,			
100-52-7	Benzaldehyde	11000	U
108-95-2	Phenol	11000	U
111-44-4	bis(2-Chloroethyl)Ether	11000	U
95-57-8	2-Chlorophenol	11000	Ū
95-48-7	2-Methylphenol	11000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11000	Ū
98-86-2	Acetophenone	11000	U
106-44-5	4-Methylphenol	11000	U
621-64-7	N-Nitroso-di-n-propylamine	11000	U
67-72-1	Hexachloroethane	11000	Ū
98-95-3	Nitrobenzene	11000	U
78-59-1	Isophorone	11000	U
88-75-5	2-Nitrophenol	11000	Ū
105-67-9	2,4-Dimethylphenol	11000	U
111-91-1	bis(2-Chloroethoxy)methane	11000	U
120-83-2	2,4-Dichlorophenol	11000	Ū
91-20-3	Naphthalene	11000	U
106-47-8	4-Chloroaniline	11000	Ū
87-68-3	Hexachlorobutadiene	11000	U
105-60-2	Caprolactam	11000	U
59-50-7	4-Chloro-3-Methylphenol	11000	Ū
91-57-6	2-Methylnaphthalene	11000	Ū
77-47-4	Hexachlorocyclopentadiene	11000	Ū
88-06-2	2,4,6-Trichlorophenol	11000	Ū
95-95-4	2,4,5-Trichlorophenol	28000	Ū
92-52-4	1,1'-Biphenyl	11000	U
91-58-7	2-Chloronaphthalene	11000	Ū
88-74-4	2-Nitroaniline	28000	Ū
131-11-3	Dimethylphthalate	11000	U
606-20-2	2,6-Dinitrotoluene	11000	Ū
208-96-8	Acenaphthylene	11000	Ū
99-09-2	3-Nitroaniline	28000	Ū
00 00 0	3 , 3		<del></del>

11000

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0082 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-04

Sample wt/vol:

1.0(g/mL) G

Lab File ID: K8410

Level: (low/med)

MED

Lab Code: CEIMIC Case No.: 32839 SAS No.:

Date Received: 05/07/04

% Moisture: 11

Decanted: (Y/N)N

Date Extracted: 05/14/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4

Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG Q

51-28-5	2,4-Dinitrophenol	28000	U
100-02-7	4-Nitrophenol	28000	Ū
132-64-9	Dibenzofuran	11000	Ū
121-14-2	2,4-Dinitrotoluene	11000	U
84-66-2	Diethylphthalate	11000	U
86-73-7	Fluorene	11000	U
7005-72-3	4-Chlorophenyl-phenylether	11000	U
100-01-6	4-Nitroaniline	28000	U
534-52-1	4,6-Dinitro-2-methylphenol	28000	U
86-30-6	N-nitrosodiphenylamine (1)	11000	U
101-55-3	4-Bromophenyl-phenylether	11000	U
118-74-1	Hexachlorobenzene	11000	Ū
1912-24-9	Atrazine	11000	U
87-86-5	Pentachlorophenol	28000	U .
85-01-8	Phenanthrene	11000	U
120-12-7	Anthracene	11000	U
86-74-8	Carbazole	11000	Ū
84-74-2	Di-n-butylphthalate	11000	Ū
206-44-0	Fluoranthene	1400	Ĵ
129-00-0	Pyrene	1700	J
85-68-7	Butylbenzylphthalate	11000	U
91-94-1	3,3'-Dichlorobenzidine	11000	Ū
56-55-3	Benzo(a) anthracene	11000	U
218-01-9	Chrysene	1700	J
117-81-7	bis(2-Ethylhexyl)phthalate	11000	Ü
117-84-0	Di-n-octylphthalate	11000	U
205-99-2	Benzo(b)fluoranthene	1800	J
207-08-9	Benzo(k)fluoranthene	1300	J
50-32-8	Benzo(a)pyrene	1200	J
193-39-5	Indeno(1,2,3-cd)pyrene	11000	Ŭ
53-70-3	Dibenzo(a,h)anthracene	11000	U
191-24-2	Benzo(g,h,i)perylene	11000	U

(1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0082

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-04

Sample wt/vol:

1.0 (q/mL) G

Lab File ID: K8410

Level: (low/med)

MED

Date Received: 05/07/04

% Moisture: 11

Decanted: (Y/N) N

Date Extracted:05/14/04

Concentrated Extract Volume:

500 (uL)

Date Analyzed: 05/20/04

Injection Volume:

2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup:

(Y/N) Y

pH: 9.4

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 7

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.94	4900	JB 11
2.	UNKNOWN	11.35	2700	J
3.	UNKNOWN	11.38	3400	J
$\frac{3}{4}$ .	UNKNOWN AMIDE	11.82	8500	J
5.	UNKNOWN	12.81	2900	J
6.	UNKNOWN	13.98	4100	J
7. 5858-18-4	BENZENETHIOL, 2,5-DICHLORO-	16.40	3500	NJ
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.	*			
25.				
26.				
27.				
28.				
29.				
30.				

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0083

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-05

Sample wt/vol:

30.2(q/mL) G

Lab File ID: DH293

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 23

Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 5.0

Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

I		F400	T
51-28-5	2,4-Dinitrophenol	5400	U
100-02-7	4-Nitrophenol	5400	U
132-64-9	Dibenzofuran	490	J
121-14-2	2,4-Dinitrotoluene	2100	U
84-66-2	Diethylphthalate	2100	U
86-73-7	Fluorene	2100	Ū
7005-72-3	4-Chlorophenyl-phenylether	2100	U
100-01-6	4-Nitroaniline	5400	Ū
534-52-1	4,6-Dinitro-2-methylphenol	5400	Ū
. 86-30-6	N-nitrosodiphenylamine (1)	2100	U
101-55-3	4-Bromophenyl-phenylether	2100	U
118-74-1	Hexachlorobenzene	2100	U
1912-24-9	Atrazine	· 2100	Ū
87-86-5	Pentachlorophenol	5400	Ū
85-01-8	Phenanthrene	2600	
120-12-7	Anthracene	2100	Ū
86-74-8	Carbazole	2100	Ū
84-74-2	Di-n-butylphthalate	2100	Ū
206-44-0	Fluoranthene	660	J
129-00-0	Pyrene	410	J
85-68-7	Butylbenzylphthalate	2100	Ū
91-94-1	3,3'-Dichlorobenzidine	2100	Ū
56-55-3	Benzo(a)anthracene	220	J
218-01-9	Chrysene	250	J
117-81-7	bis(2-Ethylhexyl)phthalate	2100	U
117-84-0	Di-n-octylphthalate	2100	U
205-99-2	Benzo(b) fluoranthene	2100	Ū
207-08-9	Benzo(k)fluoranthene	2100	U
50-32-8	Benzo(a) pyrene	2100	Ū
193-39-5	Indeno(1,2,3-cd)pyrene	2100	Ū
53-70-3	Dibenzo(a,h)anthracene	2100	Ū
191-24-2	Benzo(q,h,i)perylene	2100	Ū
·			L

(1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0083

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-05

Sample wt/vol: 30.2(g/mL) G

Lab File ID: DH293

Level: (low/med) LOW

% Moisture: 23 Decanted: (Y/N)N

Date Received: 05/07/04

Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 5.0 Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

100-52-7 Benzaldehyde 2100 Ū 108-95-2 | Phenol 2100 111-44-4 bis(2-Chloroethyl)Ether 2100 U 95-57-8 2-Chlorophenol 2100 Ū 95-48-7 2-Methylphenol 2100 2,2'-oxybis(1-Chloropropane) 2100 108-60-1 98-86-2 Acetophenone 2100 Ū 106-44-5 4-Methylphenol 2100 Ū 621-64-7 N-Nitroso-di-n-propylamine 2100 Ū 67-72-1 Hexachloroethane 2100 U 98-95-3 Nitrobenzene U 2100 78-59-1 Isophorone 2100 Ū 88-75-5 2-Nitrophenol Ū 2100 105-67-9 2,4-Dimethylphenol 2100 Ū 111-91-1 bis (2-Chloroethoxy) methane 2100 Ū 120-83-2 2,4-Dichlorophenol 2100 Ű Naphthalene 91-20-3 500 J 106-47-8 4-Chloroaniline 2100 IJ 87-68-3 Hexachlorobutadiene Ū 2100 105-60-2 Caprolactam 2100 59-50-7 4-Chloro-3-Methylphenol 2100 IJ 91-57-6 2-Methylnaphthalene 600 77-47-4 Hexachlorocyclopentadiene Ū 2100 88-06-2 2,4,6-Trichlorophenol 2100 Ū 2,4,5-Trichlorophenol 95-95-4 5400 Ū 92-52-4 1,1'-Biphenyl 2100 U 91-58-7 2-Chloronaphthalene 2100 Ū 88-74-4 2-Nitroaniline 5400 Ū 131-11-3 Dimethylphthalate 2100 U 606-20-2 2,6-Dinitrotoluene 2100 IJ 208-96-8 Acenaphthylene 2100 99-09-2 3-Nitroaniline 5400 83-32-9 Acenaphthene 2100

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0083

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-05

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: DH293

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 23 Decanted: (Y/N) N

Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 5.0

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 18

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 91-57-6	NAPHTHALENE, 2-METHYL-	8.69	790	====  NJ
2. 571-58-4	NAPHTHALENE, 1,4-DIMETHYL-	9.63	1600	
3.	UNKNOWN PAH	10.11	1500	J
4.	UNKNOWN PAH	10.24	750	J
5. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	10.46	700	NJ
6. 7320-53-8	DIBENZOFURAN, 4-METHYL-	10.82	1600	NÜ
7.	UNKNOWN AROMATIC COMPOUND	11.41	860	J
8.	UNKNOWN AMIDE	11.81	480	J
9.	UNKNOWN	11.90	930	J
10.	UNKNOWN AROMATIC COMPOUND	12.26	1100	J
11.	UNKNOWN SILOXANE	12.84	790	J
12.	UNKNOWN	15.83	550	J
13.	UNKNOWN PAH	16.48	1200	J
14.	UNKNOWN	16.77	580	J
15.	UNKNOWN	17.28	1100	J
16.	UNKNOWN	17.69	590	J
17.	UNKNOWN	18.07	720	J
18.	UNKNOWN AROMATIC COMPOUND	18.85	2600	J
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				<del></del> [
27.				
28.				
29.				
30.				

FORM I SV-TIC

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0084

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-06

Sample wt/vol: 30.2(g/mL) G

Lab File ID: DH294

Level: (low/med)

Date Received: 05/07/04

% Moisture: 24

Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

LOW

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y

pH: 5.4

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	2200	U
108-95-2	Phenol	2200	Ū
111-44-4	bis(2-Chloroethyl)Ether	2200	Ū
95-57-8	2-Chlorophenol	2200	Ū
95-48-7	2-Methylphenol	2200	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	2200	Ū
98-86-2	Acetophenone	2200	Ū
106-44-5	4-Methylphenol	2200	U
621-64-7	N-Nitroso-di-n-propylamine	2200	U
67-72-1	Hexachloroethane	2200	U
98-95-3	Nitrobenzene	2200	U
78-59-1	Isophorone	2200	Ū
88-75-5	2-Nitrophenol	2200	Ū
105-67-9	2,4-Dimethylphenol	2200	Ū
111-91-1	bis(2-Chloroethoxy)methane	2200	Ū
120-83-2	2,4-Dichlorophenol	2200	Ū
91-20-3	Naphthalene	490	J
106-47-8	4-Chloroaniline	2200	U
87-68-3	Hexachlorobutadiene	2200	U
105-60-2	Caprolactam	. 580	J
59-50-7	4-Chloro-3-Methylphenol	2200	Ū
91-57-6	2-Methylnaphthalene	660	J
77-47-4	Hexachlorocyclopentadiene	2200	U
88-06-2	2,4,6-Trichlorophenol	2200	U
95-95-4	2,4,5-Trichlorophenol	5400	U
92-52-4	1,1'-Biphenyl	2200	U
91-58-7	2-Chloronaphthalene	2200	Ū
88-74-4	2-Nitroaniline	5400	Ū
131-11-3	Dimethylphthalate	2200	U
606-20-2	2,6-Dinitrotoluene	2200	Ū
208 <b>-</b> 96-8	Acenaphthylene	2200	Ū
99-09-2	3-Nitroaniline	5400	Ū
83-32-9	Acenaphthene	2200	TT

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0084

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-06

Sample wt/vol: 30.2(g/mL) G

Lab File ID: DH294

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 24

Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 5.4

Extraction: (Type) SONC

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

S1-28-5	- F1 60 F			T
132-64-9   Dibenzofuran   2900   U	51-28-5	2,4-Dinitrophenol	5400	U
121-14-2	1			_
84-66-2       Diethylphthalate       2200       U         86-73-7       Fluorene       2200       U         7005-72-3       4-Chlorophenyl-phenylether       2200       U         100-01-6       4-Nitroaniline       5400       U         534-52-1       4,6-Dinitro-2-methylphenol       5400       U         86-30-6       N-nitrosodiphenylamine (1)       2200       U         101-55-3       4-Bromophenyl-phenylether       2200       U         118-74-1       Hexachlorobenzene       2200       U         1912-24-9       Atrazine       2200       U         87-86-5       Pentachlorophenol       5400       U         85-01-8       Phenanthrene       3400         120-12-7       Anthracene       2200       U         86-74-8       Carbazole       2200       U         84-74-2       Di-n-butylphthalate       2200       U         129-00-0       Pyrene       510       J         85-68-7       Butylbenzylphthalate       2200       U         91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo (a) anthracene       250       J         218-01-9				
86-73-7         Fluorene         2200         U           7005-72-3         4-Chlorophenyl-phenylether         2200         U           100-01-6         4-Nitroaniline         5400         U           534-52-1         4,6-Dinitro-2-methylphenol         5400         U           86-30-6         N-nitrosodiphenylamine (1)         2200         U           101-55-3         4-Bromophenyl-phenylether         2200         U           118-74-1         Hexachlorobenzene         2200         U           1912-24-9         Atrazine         2200         U           87-86-5         Pentachlorophenol         5400         U           85-01-8         Phenanthrene         3400         U           120-12-7         Anthracene         2200         U           86-74-8         Carbazole         2200         U           84-74-2         Di-n-butylphthalate         2200         U           85-68-7         Butylbenzylphthalate         2200         U           91-94-1         3,3'-Dichlorobenzidine         2200         U           96-55-3         Benzo (a) anthracene         250         J           217-81-9         Chrysene         330         J <td></td> <td></td> <td>2200</td> <td>U</td>			2200	U
7005-72-3         4-Chlorophenyl-phenylether         2200         U           100-01-6         4-Nitroaniline         5400         U           534-52-1         4,6-Dinitro-2-methylphenol         5400         U           86-30-6         N-nitrosodiphenylamine (1)         2200         U           101-55-3         4-Bromophenyl-phenylether         2200         U           118-74-1         Hexachlorobenzene         2200         U           1912-24-9         Atrazine         2200         U           87-86-5         Pentachlorophenol         5400         U           85-01-8         Phenanthrene         3400         U           120-12-7         Anthracene         2200         U           84-74-2         Di-n-butylphthalate         2200         U           84-74-2         Di-n-butylphthalate         2200         U           206-44-0         Fluoranthene         840         J           129-00-0         Pyrene         510         J           85-68-7         Butylbenzylphthalate         2200         U           91-94-1         3,3'-Dichlorobenzidine         2200         U           56-55-3         Benzo (a) anthracene         250         J </td <td></td> <td></td> <td>_ L ·</td> <td>U</td>			_ L ·	U
100-01-6			. 2200	U
534-52-1       4,6-Dinitro-2-methylphenol       5400       U         86-30-6       N-nitrosodiphenylamine (1)       2200       U         101-55-3       4-Bromophenyl-phenylether       2200       U         118-74-1       Hexachlorobenzene       2200       U         1912-24-9       Atrazine       2200       U         87-86-5       Pentachlorophenol       5400       U         85-01-8       Phenanthrene       3400         120-12-7       Anthracene       2200       U         86-74-8       Carbazole       2200       U         84-74-2       Di-n-butylphthalate       2200       U         206-44-0       Fluoranthene       840       J         129-00-0       Pyrene       510       J         85-68-7       Butylbenzylphthalate       2200       U         91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo (a) anthracene       250       J         218-01-9       Chrysene       330       J         117-81-7       bis (2-Ethylhexyl)phthalate       2200       U         205-99-2       Benzo (b) fluoranthene       2200       U         207-08-9<	7005-72-3	4-Chlorophenyl-phenylether	2200	U
86-30-6       N-nitrosodiphenylamine (1)       2200       U         101-55-3       4-Bromophenyl-phenylether       2200       U         118-74-1       Hexachlorobenzene       2200       U         1912-24-9       Atrazine       2200       U         87-86-5       Pentachlorophenol       5400       U         85-01-8       Phenanthrene       3400         120-12-7       Anthracene       2200       U         86-74-8       Carbazole       2200       U         84-74-2       Di-n-butylphthalate       2200       U         206-44-0       Fluoranthene       840       J         129-00-0       Pyrene       510       J         85-68-7       Butylbenzylphthalate       2200       U         91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo (a) anthracene       250       J         218-01-9       Chrysene       330       J         117-81-7       bis (2-Ethylhexyl) phthalate       2200       U         205-99-2       Benzo (b) fluoranthene       2200       U         207-08-9       Benzo (k) fluoranthene       2200       U         50-32-8			5400	•
101-55-3			5400	U
118-74-1         Hexachlorobenzene         2200         U           1912-24-9         Atrazine         2200         U           87-86-5         Pentachlorophenol         5400         U           85-01-8         Phenanthrene         3400           120-12-7         Anthracene         2200         U           86-74-8         Carbazole         2200         U           84-74-2         Di-n-butylphthalate         2200         U           206-44-0         Fluoranthene         840         J           129-00-0         Pyrene         510         J           85-68-7         Butylbenzylphthalate         2200         U           91-94-1         3,3'-Dichlorobenzidine         2200         U           56-55-3         Benzo(a) anthracene         250         J           218-01-9         Chrysene         330         J           117-81-7         bis(2-Ethylhexyl)phthalate         2200         U           205-99-2         Benzo(b)fluoranthene         2200         U           207-08-9         Benzo(k)fluoranthene         2200         U           50-32-8         Benzo(a) pyrene         2200         U           53-70-3		N-nitrosodiphenylamine (1)	2200	Ū
1912-24-9       Atrazine       2200       U         87-86-5       Pentachlorophenol       5400       U         85-01-8       Phenanthrene       3400         120-12-7       Anthracene       2200       U         86-74-8       Carbazole       2200       U         84-74-2       Di-n-butylphthalate       2200       U         206-44-0       Fluoranthene       840       J         129-00-0       Pyrene       510       J         85-68-7       Butylbenzylphthalate       2200       U         91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo (a) anthracene       250       J         218-01-9       Chrysene       330       J         117-81-7       bis (2-Ethylhexyl) phthalate       2200       U         117-84-0       Di-n-octylphthalate       2200       U         207-08-9       Benzo (b) fluoranthene       2200       U         50-32-8       Benzo (k) fluoranthene       2200       U         50-32-8       Benzo (a) pyrene       2200       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       2200       U         53-70-3       <	101-55-3	4-Bromophenyl-phenylether	2200	Ū
87-86-5       Pentachlorophenol       5400       U         85-01-8       Phenanthrene       3400         120-12-7       Anthracene       2200       U         86-74-8       Carbazole       2200       U         84-74-2       Di-n-butylphthalate       2200       U         206-44-0       Fluoranthene       840       J         129-00-0       Pyrene       510       J         85-68-7       Butylbenzylphthalate       2200       U         91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo(a) anthracene       250       J         218-01-9       Chrysene       330       J         117-81-7       bis (2-Ethylhexyl) phthalate       2200       U         117-84-0       Di-n-octylphthalate       2200       U         207-99-2       Benzo (b) fluoranthene       2200       U         207-08-9       Benzo (k) fluoranthene       2200       U         50-32-8       Benzo (a) pyrene       2200       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       2200       U         53-70-3       Dibenzo (a, h) anthracene       2200       U	1	Hexachlorobenzene	2200	Ū
85-01-8       Phenanthrene       3400         120-12-7       Anthracene       2200       U         86-74-8       Carbazole       2200       U         84-74-2       Di-n-butylphthalate       2200       U         206-44-0       Fluoranthene       840       J         129-00-0       Pyrene       510       J         85-68-7       Butylbenzylphthalate       2200       U         91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo(a) anthracene       250       J         218-01-9       Chrysene       330       J         117-81-7       bis (2-Ethylhexyl) phthalate       2200       U         117-84-0       Di-n-octylphthalate       2200       U         205-99-2       Benzo (b) fluoranthene       2200       U         207-08-9       Benzo (k) fluoranthene       2200       U         50-32-8       Benzo (a) pyrene       2200       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       2200       U         53-70-3       Dibenzo (a, h) anthracene       2200       U		Atrazine	2200	Ū
120-12-7       Anthracene       2200       U         86-74-8       Carbazole       2200       U         84-74-2       Di-n-butylphthalate       2200       U         206-44-0       Fluoranthene       840       J         129-00-0       Pyrene       510       J         85-68-7       Butylbenzylphthalate       2200       U         91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo(a) anthracene       250       J         218-01-9       Chrysene       330       J         117-81-7       bis (2-Ethylhexyl) phthalate       2200       U         117-84-0       Di-n-octylphthalate       2200       U         205-99-2       Benzo (b) fluoranthene       2200       U         207-08-9       Benzo (k) fluoranthene       2200       U         50-32-8       Benzo (a) pyrene       2200       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       2200       U         53-70-3       Dibenzo (a, h) anthracene       2200       U	87-86-5	Pentachlorophenol	5400	Ū
86-74-8       Carbazole       2200       U         84-74-2       Di-n-butylphthalate       2200       U         206-44-0       Fluoranthene       840       J         129-00-0       Pyrene       510       J         85-68-7       Butylbenzylphthalate       2200       U         91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo (a) anthracene       250       J         218-01-9       Chrysene       330       J         117-81-7       bis (2-Ethylhexyl) phthalate       2200       U         117-84-0       Di-n-octylphthalate       2200       U         205-99-2       Benzo (b) fluoranthene       2200       U         207-08-9       Benzo (k) fluoranthene       2200       U         50-32-8       Benzo (a) pyrene       2200       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       2200       U         53-70-3       Dibenzo (a, h) anthracene       2200       U	85-01-8	Phenanthrene	3400	
84-74-2       Di-n-butylphthalate       2200       U         206-44-0       Fluoranthene       840       J         129-00-0       Pyrene       510       J         85-68-7       Butylbenzylphthalate       2200       U         91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo(a) anthracene       250       J         218-01-9       Chrysene       330       J         117-81-7       bis(2-Ethylhexyl)phthalate       2200       U         117-84-0       Di-n-octylphthalate       2200       U         205-99-2       Benzo(b)fluoranthene       2200       U         207-08-9       Benzo(k)fluoranthene       2200       U         50-32-8       Benzo(a)pyrene       2200       U         193-39-5       Indeno(1,2,3-cd)pyrene       2200       U         53-70-3       Dibenzo(a,h)anthracene       2200       U	120-12-7	Anthracene	2200	Ū
206-44-0       Fluoranthene       840       J         129-00-0       Pyrene       510       J         85-68-7       Butylbenzylphthalate       2200       U         91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo(a) anthracene       250       J         218-01-9       Chrysene       330       J         117-81-7       bis(2-Ethylhexyl)phthalate       2200       U         117-84-0       Di-n-octylphthalate       2200       U         205-99-2       Benzo(b) fluoranthene       2200       U         207-08-9       Benzo(k) fluoranthene       2200       U         50-32-8       Benzo(a) pyrene       2200       U         193-39-5       Indeno(1,2,3-cd) pyrene       2200       U         53-70-3       Dibenzo(a,h) anthracene       2200       U	86-74-8	Carbazole	2200	U
129-00-0       Pyrene       510       J         85-68-7       Butylbenzylphthalate       2200       U         91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo(a) anthracene       250       J         218-01-9       Chrysene       330       J         117-81-7       bis(2-Ethylhexyl)phthalate       2200       U         117-84-0       Di-n-octylphthalate       2200       U         205-99-2       Benzo(b) fluoranthene       2200       U         207-08-9       Benzo(k) fluoranthene       2200       U         50-32-8       Benzo(a) pyrene       2200       U         193-39-5       Indeno(1,2,3-cd) pyrene       2200       U         53-70-3       Dibenzo(a,h) anthracene       2200       U	84-74-2	Di-n-butylphthalate	2200	Ū
85-68-7       Butylbenzylphthalate       2200       U         91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo (a) anthracene       250       J         218-01-9       Chrysene       330       J         117-81-7       bis (2-Ethylhexyl) phthalate       2200       U         117-84-0       Di-n-octylphthalate       2200       U         205-99-2       Benzo (b) fluoranthene       2200       U         207-08-9       Benzo (k) fluoranthene       2200       U         50-32-8       Benzo (a) pyrene       2200       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       2200       U         53-70-3       Dibenzo (a, h) anthracene       2200       U	206-44-0	Fluoranthene	840	J
91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo(a) anthracene       250       J         218-01-9       Chrysene       330       J         117-81-7       bis(2-Ethylhexyl)phthalate       2200       U         117-84-0       Di-n-octylphthalate       2200       U         205-99-2       Benzo(b) fluoranthene       2200       U         207-08-9       Benzo(k) fluoranthene       2200       U         50-32-8       Benzo(a) pyrene       2200       U         193-39-5       Indeno(1,2,3-cd) pyrene       2200       U         53-70-3       Dibenzo(a,h) anthracene       2200       U	129-00-0	Pyrene	510	J
91-94-1       3,3'-Dichlorobenzidine       2200       U         56-55-3       Benzo(a) anthracene       250       J         218-01-9       Chrysene       330       J         117-81-7       bis(2-Ethylhexyl)phthalate       2200       U         117-84-0       Di-n-octylphthalate       2200       U         205-99-2       Benzo(b) fluoranthene       2200       U         207-08-9       Benzo(k) fluoranthene       2200       U         50-32-8       Benzo(a) pyrene       2200       U         193-39-5       Indeno(1,2,3-cd) pyrene       2200       U         53-70-3       Dibenzo(a,h) anthracene       2200       U	85-68-7	Butylbenzylphthalate	2200	Ū.
218-01-9       Chrysene       330       J         117-81-7       bis(2-Ethylhexyl)phthalate       2200       U         117-84-0       Di-n-octylphthalate       2200       U         205-99-2       Benzo(b)fluoranthene       2200       U         207-08-9       Benzo(k)fluoranthene       2200       U         50-32-8       Benzo(a)pyrene       2200       U         193-39-5       Indeno(1,2,3-cd)pyrene       2200       U         53-70-3       Dibenzo(a,h)anthracene       2200       U			2200	Ū
117-81-7       bis(2-Ethylhexyl)phthalate       2200       U         117-84-0       Di-n-octylphthalate       2200       U         205-99-2       Benzo(b)fluoranthene       2200       U         207-08-9       Benzo(k)fluoranthene       2200       U         50-32-8       Benzo(a)pyrene       2200       U         193-39-5       Indeno(1,2,3-cd)pyrene       2200       U         53-70-3       Dibenzo(a,h)anthracene       2200       U	56-55-3	Benzo(a) anthracene	250	J
117-84-0       Di-n-octylphthalate       2200       U         205-99-2       Benzo (b) fluoranthene       2200       U         207-08-9       Benzo (k) fluoranthene       2200       U         50-32-8       Benzo (a) pyrene       2200       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       2200       U         53-70-3       Dibenzo (a, h) anthracene       2200       U	218-01-9	Chrysene	330	J
205-99-2       Benzo (b) fluoranthene       2200       U         207-08-9       Benzo (k) fluoranthene       2200       U         50-32-8       Benzo (a) pyrene       2200       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       2200       U         53-70-3       Dibenzo (a, h) anthracene       2200       U	117-81-7	bis(2-Ethylhexyl)phthalate	2200	U
207-08-9         Benzo (k) fluoranthene         2200         U           50-32-8         Benzo (a) pyrene         2200         U           193-39-5         Indeno (1, 2, 3-cd) pyrene         2200         U           53-70-3         Dibenzo (a, h) anthracene         2200         U	117-84-0	Di-n-octylphthalate	2200	U
207-08-9         Benzo (k) fluoranthene         2200         U           50-32-8         Benzo (a) pyrene         2200         U           193-39-5         Indeno (1, 2, 3-cd) pyrene         2200         U           53-70-3         Dibenzo (a, h) anthracene         2200         U	205-99-2	Benzo(b) fluoranthene	_ L	Ū
50-32-8         Benzo(a) pyrene         2200         U           193-39-5         Indeno(1,2,3-cd) pyrene         2200         U           53-70-3         Dibenzo(a,h) anthracene         2200         U	207-08-9	Benzo(k)fluoranthene		Ū
193-39-5       Indeno(1,2,3-cd) pyrene       2200       U         53-70-3       Dibenzo(a,h) anthracene       2200       U	50-32-8	Benzo(a)pyrene		Ū
53-70-3   Dibenzo(a,h)anthracene 2200 U	193-39-5			
	53-70-3			Ū

(1) - Cannot be separated from Diphenylamine

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0084

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-06

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: DH294

Level: (low/med)

LOW

Date Received: 05/07/04

% Moisture: 24

Decanted: (Y/N) N

Date Extracted:05/10/04

Concentrated Extract Volume: 500 (uL)

Injection Volume: 2.0(uL)

Date Analyzed: 05/18/04

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y

pH: 5.4

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 18

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
		l .		=====
1. 573-98-8	NAPHTHALENE, 1,2-DIMETHYL-	9.63		
2.	UNKNOWN PAH	10.23		J
3. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	10.34		
4. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	10.46	840	
5. 7320-53-8	DIBENZOFURAN, 4-METHYL-	10.83	2200	
6.	UNKNOWN AROMATIC COMPOUND	11.42	1200	
7.	UNKNOWN ALCOHOL/ALKENE	11.82	700	J
8.	UNKNOWN	11.90	1600	J
9. 883-20-5	PHENANTHRENE, 9-METHYL-	12.27	1300	NJ
10. 84-65-1	9,10-ANTHRACENEDIONE	12.58	620	NJ
11.	UNKNOWN	12.85	1200	J
12.	UNKNOWN	15.64	460	J
13.	UNKNOWN	16.31	870	J
14.	UNKNOWN	16.82		J
15.	UNKNOWN PAH	17.14		J
16.	UNKNOWN	17.31		J
17.	UNKNOWN	18.10		J
18.	UNKNOWN	18.87		J
19.		10.07	1100	<del></del>
20.				
21.				
22.				
23.	`			
24.				
25.				
26.				
27.				
28.				
29.				
30.				
, JU.		İ		

E0085

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-07

Sample wt/vol:

30.5(q/mL) G

Lab File ID: JL247

Level: (low/med)

LOW

Date Received: 05/07/04

% Moisture: 14

Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.1

Extraction: (Type) SONC

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

100-35-2   Phenol   380   U	100-52-7	Benzaldehyde	380	IJ
111-44-4   bis(2-Chloroethyl)Ether   380   U   95-57-8   2-Chlorophenol   380   U   95-57-8   2-Chlorophenol   380   U   108-60-1   2,2'-oxybis(1-Chloropropane)   380   U   108-60-1   2,2'-oxybis(1-Chloropropane)   380   U   106-44-5   4-Methylphenol   380   U   106-44-5   4-Methylphenol   380   U   106-44-5   4-Methylphenol   380   U   106-44-5   4-Methylphenol   380   U   106-44-7   N-Nitroso-di-n-propylamine   380   U   106-47-1   Hexachloroethane   380   U   106-47-1   Hexachloroethane   380   U   106-47-9   1 Isophorone   380   U   105-67-9   2,4-Dimethylphenol   380   U   105-67-9   2,4-Dimethylphenol   380   U   119-11   bis(2-Chloroethoxy)methane   380   U   120-83-2   2,4-Dichlorophenol   380   U   106-47-8   4-Chloroethoxy)methane   380   U   106-47-8   4-Chloroaniline   380   U   105-60-2   Caprolactam   380   U   105-60-2   Caprolactam   380   U   105-60-2   Caprolactam   380   U   105-60-2   Caprolactam   380   U   105-60-2   2,4-Dichlorophenol   380   U   105-60-2   2,4-Dichlorophenol   380   U   105-57-6   2-Methylnaphthalene   160   J   77-47-4   Hexachlorocyclopentadiene   380   U   105-60-2   2,4-5-Trichlorophenol   380   U   105-60-2   2,4-5-Trichlorophenol   380   U   105-60-2   2,4-5-Trichlorophenol   380   U   105-60-2   2,4-5-Trichlorophenol   380   U   105-60-2   2,4-5-Trichlorophenol   380   U   105-60-2   380   U   105-60-2   380   U   105-60-2   380   U   105-60-2   380   U   105-60-2   380   U   105-60-2   380   U   105-60-2   380   U   105-60-2   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380   U   380				
95-57-8   2-Chlorophenol   380   U   95-48-7   2-Methylphenol   380   U     95-48-7   2-Methylphenol   380   U     108-86-1   2,2'-oxybis(1-Chloropropane)   380   U     108-86-2   Acetophenone   380   U     106-44-5   4-Methylphenol   380   U     621-64-7   N-Nitroso-di-n-propylamine   380   U     67-72-1   Hexachloroethane   380   U     98-95-3   Nitrobenzene   380   U     78-59-1   Isophorone   380   U     105-67-9   2,4-Dimethylphenol   380   U     105-67-9   2,4-Dimethylphenol   380   U     111-91-1   Dis(2-Chloroethoxy)methane   380   U     120-83-2   2,4-Dichlorophenol   380   U     106-47-8   4-Chloroaniline   380   U     105-60-2   Caprolactam   380   U     105-60-2   Caprolactam   380   U     105-60-2   Caprolactam   380   U     105-60-2   Caprolactam   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   Caprolactam   380   U     105-60-2   Caprolactam   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,4-Dichlorophenol   380   U     105-60-2   2,6-Dichlorophenol   380   U     105-60-2   2,6-Dichlorophenol   380   U     105-60-2   2,6-Dichlorophenol   380   U     105-60-2   2,6-Dichlorophenol   380   U     105-60-2   2,6-Dichlorophenol   380   U				7 .
95-48-7   2-Methylphenol   380   U   108-60-1   2,2'-oxybis(1-Chloropropane)   380   U   108-60-1   2,2'-oxybis(1-Chloropropane)   380   U   106-44-5   4-Methylphenol   380   U   106-44-5   4-Methylphenol   380   U   621-64-7   N-Nitroso-di-n-propylamine   380   U   67-72-1   Hexachloroethane   380   U   78-59-1   Isophorone   380   U   78-59-1   Isophorone   380   U   78-59-1   Isophorone   380   U   105-67-9   2,4-Dimethylphenol   380   U   109-83-2   2,4-Dimethylphenol   380   U   109-83-2   2,4-Dichlorophenol   380   U   106-47-8   4-Chloroaniline   380   U   105-60-2   Caprolactam   380   U   105-60-2   Caprolactam   380   U   105-60-2   Caprolactam   380   U   105-60-2   Caprolactam   380   U   105-60-2   2,4-G-Trichlorophenol   380   U   105-60-2   2,4-G-Trichlorophenol   380   U   105-60-2   2,4-G-Trichlorophenol   380   U   105-60-2   2,4-G-Trichlorophenol   380   U   105-60-2   2,4-G-Trichlorophenol   380   U   105-60-2   2,4-G-Trichlorophenol   380   U   105-60-2   2,4-G-Trichlorophenol   380   U   105-60-2   2,4-G-Trichlorophenol   380   U   105-60-2   2,4-G-Trichlorophenol   380   U   105-60-2   380   U   380-68-8   2,4-G-Trichlorophenol   380   U   380   U   380-68-8   2,4-G-Trichlorophenol   380   U   380-68-8   2,4-G-Trichlorophenol   380   U   380-68-8   2-G-Dinitrotoluene   380   U   380-68-8   2-G-Dinitrotoluene   380   U   380-68-8   2-G-Dinitrotoluene   380   U   380-68-8   2-G-Dinitrotoluene   380   U   380-68-8   2-G-Dinitrotoluene   380   U   380-68-8   2-G-Dinitrotoluene   380   U   380-68-8   2-G-Dinitrotoluene   380   U   380-68-8   2-G-Dinitrotoluene   380   U   380-68-8   2-G-Dinitrotoluene   380   U   380-68-8   2-G-Dinitrotoluene   380   U   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   380-68-8   38				_
108-60-1   2,2'-oxybis(1-Chloropropane)   380 U   98-86-2   Acetophenone   380 U   106-44-5   4-Methylphenol   380 U   621-64-7   M-Nitroso-di-n-propylamine   380 U   67-72-1   Hexachloroethane   380 U   98-95-3   Nitrobenzene   380 U   78-59-1   Isophorone   380 U   105-67-9   2,4-Dimethylphenol   380 U   105-67-9   2,4-Dimethylphenol   380 U   111-91-1   bis(2-Chloroethoxy)methane   380 U   120-83-2   2,4-Dichlorophenol   380 U   106-47-8   4-Chloroaniline   380 U   106-47-8   4-Chloroaniline   380 U   105-60-2   Caprolactam   380 U   105-60-2   Caprolactam   380 U   105-50-7   4-Chloro-3-Methylphenol   380 U   105-95-7   4-Chloro-3-Methylphenol   380 U   105-95-7   4-Chloro-3-Methylphenol   380 U   105-95-7   4-Chloro-3-Methylphenol   380 U   105-95-4   4-Chloro-3-Methylphenol   380 U   105-95-4   2,4,5-Trichlorophenol   380 U   105-95-4   2,4,5-Trichlorophenol   380 U   105-95-4   2,4,5-Trichlorophenol   380 U   105-95-4   2,4,5-Trichlorophenol   380 U   105-95-4   2-Chloronaphthalene   380 U   105-95-95-4   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U   380 U				
98-86-2   Acetophenone   380   U				_
106-44-5				
Section				
67-72-1         Hexachloroethane         380         U           98-95-3         Nitrobenzene         380         U           78-59-1         Isophorone         380         U           88-75-5         2-Nitrophenol         380         U           105-67-9         2,4-Dimethylphenol         380         U           111-91-1         bis (2-Chloroethoxy) methane         380         U           120-83-2         2,4-Dichlorophenol         380         U           91-20-3         Naphthalene         380         U           106-47-8         4-Chloroaniline         380         U           87-68-3         Hexachlorobutadiene         380         U           105-60-2         Caprolactam         380         U           59-50-7         4-Chloro-3-Methylphenol         380         U           91-57-6         2-Methylnaphthalene         160         J           77-47-4         Hexachlorocyclopentadiene         380         U           88-06-2         2,4,6-Trichlorophenol         950         U           91-58-7         2-Chloronaphthalene         380         U           91-58-7         2-Chloronaphthalene         380         U				
98-95-3         Nitrobenzene         380         U           78-59-1         Isophorone         380         U           88-75-5         2-Nitrophenol         380         U           105-67-9         2,4-Dimethylphenol         380         U           111-91-1         bis (2-Chloroethoxy) methane         380         U           120-83-2         2,4-Dichlorophenol         380         U           91-20-3         Naphthalene         380         U           106-47-8         4-Chloroaniline         380         U           87-68-3         Hexachlorobutadiene         380         U           105-60-2         Caprolactam         380         U           59-50-7         4-Chloro-3-Methylphenol         380         U           91-57-6         2-Methylnaphthalene         160         J           77-47-4         Hexachlorocyclopentadiene         380         U           88-06-2         2,4,6-Trichlorophenol         380         U           95-95-4         2,4,5-Trichlorophenol         950         U           91-58-7         2-Chloronaphthalene         380         U           88-74-4         2-Nitroaniline         950         U				
T8-59-1   Isophorone   380   U				
88-75-5       2-Nitrophenol       380       U         105-67-9       2,4-Dimethylphenol       380       U         111-91-1       bis (2-Chloroethoxy) methane       380       U         120-83-2       2,4-Dichlorophenol       380       U         91-20-3       Naphthalene       380       U         106-47-8       4-Chloroaniline       380       U         87-68-3       Hexachlorobutadiene       380       U         105-60-2       Caprolactam       380       U         59-50-7       4-Chloro-3-Methylphenol       380       U         91-57-6       2-Methylnaphthalene       160       J         77-47-4       Hexachlorocyclopentadiene       380       U         88-06-2       2,4,6-Trichlorophenol       380       U         95-95-4       2,4,5-Trichlorophenol       950       U         92-52-4       1,1'-Biphenyl       380       U         91-58-7       2-Chloronaphthalene       380       U         131-11-3       Dimethylphthalate       380       U         131-11-3       Dimethylphthalate       380       U         208-96-8       Acenaphthylene       170       J				
105-67-9   2,4-Dimethylphenol   380 U   111-91-1   bis (2-Chloroethoxy) methane   380 U   120-83-2   2,4-Dichlorophenol   380 U   120-83-2   2,4-Dichlorophenol   380 U   106-47-8   4-Chloroaniline   380 U   106-47-8   4-Chloroaniline   380 U   105-60-2   Caprolactam   380 U   105-60-2   Caprolactam   380 U   105-60-2   Caprolactam   380 U   105-50-7   4-Chloro-3-Methylphenol   380 U   105-57-6   2-Methylnaphthalene   160 J   160 J   177-47-4   Hexachlorocyclopentadiene   380 U   160 J   178-74-4   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74-74   179-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-74-74   179-7	1			
111-91-1   bis(2-Chloroethoxy)methane   380   U   120-83-2   2,4-Dichlorophenol   380   U   105-80-2   380   U   106-47-8   4-Chloroaniline   380   U   105-60-2   Caprolactam   380   U   105-60-2   Caprolactam   380   U   105-60-2   Caprolactam   380   U   105-60-2   Caprolactam   380   U   105-60-2   Caprolactam   380   U   105-50-7   4-Chloro-3-Methylphenol   380   U   105-50-7   4-Chloro-3-Methylphenol   380   U   105-50-7   4-Chlorocyclopentadiene   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160   J   160				_
120-83-2   2,4-Dichlorophenol   380   U     91-20-3   Naphthalene   380   U     106-47-8   4-Chloroaniline   380   U				
91-20-3         Naphthalene         380         U           106-47-8         4-Chloroaniline         380         U           87-68-3         Hexachlorobutadiene         380         U           105-60-2         Caprolactam         380         U           59-50-7         4-Chloro-3-Methylphenol         380         U           91-57-6         2-Methylnaphthalene         160         J           77-47-4         Hexachlorocyclopentadiene         380         U           88-06-2         2,4,6-Trichlorophenol         380         U           95-95-4         2,4,5-Trichlorophenol         950         U           92-52-4         1,1'-Biphenyl         380         U           91-58-7         2-Chloronaphthalene         380         U           88-74-4         2-Nitroaniline         950         U           131-11-3         Dimethylphthalate         380         U           606-20-2         2,6-Dinitrotoluene         380         U           208-96-8         Acenaphthylene         170         J           99-09-2         3-Nitroaniline         950         U				-
106-47-8       4-Chloroaniline       380       U         87-68-3       Hexachlorobutadiene       380       U         105-60-2       Caprolactam       380       U         59-50-7       4-Chloro-3-Methylphenol       380       U         91-57-6       2-Methylnaphthalene       160       J         77-47-4       Hexachlorocyclopentadiene       380       U         88-06-2       2,4,6-Trichlorophenol       380       U         95-95-4       2,4,5-Trichlorophenol       950       U         92-52-4       1,1'-Biphenyl       380       U         91-58-7       2-Chloronaphthalene       380       U         88-74-4       2-Nitroaniline       950       U         131-11-3       Dimethylphthalate       380       U         606-20-2       2,6-Dinitrotoluene       380       U         208-96-8       Acenaphthylene       170       J         99-09-2       3-Nitroaniline       950       U				
87-68-3       Hexachlorobutadiene       380       U         105-60-2       Caprolactam       380       U         59-50-7       4-Chloro-3-Methylphenol       380       U         91-57-6       2-Methylnaphthalene       160       J         77-47-4       Hexachlorocyclopentadiene       380       U         88-06-2       2,4,6-Trichlorophenol       380       U         95-95-4       2,4,5-Trichlorophenol       950       U         92-52-4       1,1'-Biphenyl       380       U         91-58-7       2-Chloronaphthalene       380       U         88-74-4       2-Nitroaniline       950       U         131-11-3       Dimethylphthalate       380       U         606-20-2       2,6-Dinitrotoluene       380       U         208-96-8       Acenaphthylene       170       J         99-09-2       3-Nitroaniline       950       U				
105-60-2       Caprolactam       380       U         59-50-7       4-Chloro-3-Methylphenol       380       U         91-57-6       2-Methylnaphthalene       160       J         77-47-4       Hexachlorocyclopentadiene       380       U         88-06-2       2,4,6-Trichlorophenol       380       U         95-95-4       2,4,5-Trichlorophenol       950       U         92-52-4       1,1'-Biphenyl       380       U         91-58-7       2-Chloronaphthalene       380       U         88-74-4       2-Nitroaniline       950       U         131-11-3       Dimethylphthalate       380       U         606-20-2       2,6-Dinitrotoluene       380       U         208-96-8       Acenaphthylene       170       J         99-09-2       3-Nitroaniline       950       U				
59-50-7       4-Chloro-3-Methylphenol       380       U         91-57-6       2-Methylnaphthalene       160       J         77-47-4       Hexachlorocyclopentadiene       380       U         88-06-2       2,4,6-Trichlorophenol       380       U         95-95-4       2,4,5-Trichlorophenol       950       U         92-52-4       1,1'-Biphenyl       380       U         91-58-7       2-Chloronaphthalene       380       U         88-74-4       2-Nitroaniline       950       U         131-11-3       Dimethylphthalate       380       U         606-20-2       2,6-Dinitrotoluene       380       U         208-96-8       Acenaphthylene       170       J         99-09-2       3-Nitroaniline       950       U		Hexachlorobutadiene		
91-57-6       2-Methylnaphthalene       160       J         77-47-4       Hexachlorocyclopentadiene       380       U         88-06-2       2,4,6-Trichlorophenol       380       U         95-95-4       2,4,5-Trichlorophenol       950       U         92-52-4       1,1'-Biphenyl       380       U         91-58-7       2-Chloronaphthalene       380       U         88-74-4       2-Nitroaniline       950       U         131-11-3       Dimethylphthalate       380       U         606-20-2       2,6-Dinitrotoluene       380       U         208-96-8       Acenaphthylene       170       J         99-09-2       3-Nitroaniline       950       U				
77-47-4       Hexachlorocyclopentadiene       380       U         88-06-2       2,4,6-Trichlorophenol       380       U         95-95-4       2,4,5-Trichlorophenol       950       U         92-52-4       1,1'-Biphenyl       380       U         91-58-7       2-Chloronaphthalene       380       U         88-74-4       2-Nitroaniline       950       U         131-11-3       Dimethylphthalate       380       U         606-20-2       2,6-Dinitrotoluene       380       U         208-96-8       Acenaphthylene       170       J         99-09-2       3-Nitroaniline       950       U				
88-06-2       2,4,6-Trichlorophenol       380       U         95-95-4       2,4,5-Trichlorophenol       950       U         92-52-4       1,1'-Biphenyl       380       U         91-58-7       2-Chloronaphthalene       380       U         88-74-4       2-Nitroaniline       950       U         131-11-3       Dimethylphthalate       380       U         606-20-2       2,6-Dinitrotoluene       380       U         208-96-8       Acenaphthylene       170       J         99-09-2       3-Nitroaniline       950       U	91-57-6			
95-95-4       2,4,5-Trichlorophenol       950       U         92-52-4       1,1'-Biphenyl       380       U         91-58-7       2-Chloronaphthalene       380       U         88-74-4       2-Nitroaniline       950       U         131-11-3       Dimethylphthalate       380       U         606-20-2       2,6-Dinitrotoluene       380       U         208-96-8       Acenaphthylene       170       J         99-09-2       3-Nitroaniline       950       U	77-47-4	Hexachlorocyclopentadiene		Ū
92-52-4       1,1'-Biphenyl       380       U         91-58-7       2-Chloronaphthalene       380       U         88-74-4       2-Nitroaniline       950       U         131-11-3       Dimethylphthalate       380       U         606-20-2       2,6-Dinitrotoluene       380       U         208-96-8       Acenaphthylene       170       J         99-09-2       3-Nitroaniline       950       U		2,4,6-Trichlorophenol	380	Ŭ
91-58-7       2-Chloronaphthalene       380       U         88-74-4       2-Nitroaniline       950       U         131-11-3       Dimethylphthalate       380       U         606-20-2       2,6-Dinitrotoluene       380       U         208-96-8       Acenaphthylene       170       J         99-09-2       3-Nitroaniline       950       U	95-95-4	2,4,5-Trichlorophenol	950	
88-74-4       2-Nitroaniline       950       U         131-11-3       Dimethylphthalate       380       U         606-20-2       2,6-Dinitrotoluene       380       U         208-96-8       Acenaphthylene       170       J         99-09-2       3-Nitroaniline       950       U	92-52-4	1,1'-Biphenyl	380	_
131-11-3       Dimethylphthalate       380       U         606-20-2       2,6-Dinitrotoluene       380       U         208-96-8       Acenaphthylene       170       J         99-09-2       3-Nitroaniline       950       U	91-58-7	2-Chloronaphthalene	380	Ū
606-20-2       2,6-Dinitrotoluene       380       U         208-96-8       Acenaphthylene       170       J         99-09-2       3-Nitroaniline       950       U	88-74-4	2-Nitroaniline	950	Ū
208-96-8         Acenaphthylene         170         J           99-09-2         3-Nitroaniline         950         U	131-11-3	Dimethylphthalate	380	Ū
208-96-8         Acenaphthylene         170         J           99-09-2         3-Nitroaniline         950         U	606-20-2	2,6-Dinitrotoluene	380	Ū
99-09-2 3-Nitroaniline 950 U	208-96-8	· · · · · · · · · · · · · · · · · · ·	170	J
			950	U
		Acenaphthene	130	J.

E0085

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: 68-W-03-018 Lab Name: CEIMIC CORP

SDG No.: E0074 Case No.: 32839 SAS No.: Lab Code: CEIMIC

Lab Sample ID: 040369-07 Matrix: (soil/water) SOIL

Lab File ID: JL247 30.5(g/mL) G Sample wt/vol:

Date Received: 05/07/04 Level: (low/med) LOW

Date Extracted: 05/10/04 % Moisture: 14 Decanted: (Y/N)N

Date Analyzed: 05/25/04 Concentrated Extract Volume: 500 (uL)

Dilution Factor: 1.0 Injection Volume: 2.0(uL)

pH: 8.1 Extraction: (Type) SONC GPC Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q CAS NO. COMPOUND

J. 20			_
51-28-5	2,4-Dinitrophenol	950	Ū
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	170	J
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	230	J
7005-72-3	4-Chlorophenyl-phenylether	380	Ū.
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-nitrosodiphenylamine (1)	380	Ū
101-55-3	4-Bromophenyl-phenylether	380	Ü
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	Ū
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	510	
86-74-8	Carbazole	130	J
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	380	Ū
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo (a) anthracene	860	
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo (b) fluoranthene	1000	
207-08-9	Benzo(k) fluoranthene	940	
50-32-8	Benzo(a)pyrene	870	
193-39-5	Indeno(1,2,3-cd)pyrene	710	
53-70-3	Dibenzo(a,h)anthracene	330	J
191-24-2	Benzo(g,h,i)perylene	710	

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

1G

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab Code: CEIMIC Case No.: 52055 BAD No.: 520 No.: 20071

Matrix: (soil/water) SOIL Lab Sample ID: 040369-07

Sample wt/vol: 30.5 (g/mL) G Lab File ID: JL247

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 14 Decanted: (Y/N) N Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CONCENTRATION UNITS:
Number TICs found: 28 (ug/L or ug/Kg) ug/Kg

		· · · · · · · · · · · · · · · · · · ·		
CAS NUMBER	. COMPOUND NAME	RT	EST. CONC.	Q
1. 569-41-5	NAPHTHALENE, 1,8-DIMETHYL-	9.58	680	NJ
2. 571-58-4	NAPHTHALENE, 1,4-DIMETHYL-	9.73	270	NJ
3. 2131-41-1	NAPHTHALENE, 1,4,5-TRIMETHYL	10.56	250	NJ
4. 7320-53-8	DIBENZOFURAN, 4-METHYL-	10.92	280	UN
5.	UNKNOWN PAH	12.43	310	J
6.	UNKNOWN PAH	12.56	89	J
7. 84-65-1	9,10-ANTHRACENEDIONE	12.61	77	NJ
8. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	12.84	110	NJ
9.	UNKNOWN PAH	13.44	240	J
10. 238-84-6	11H-BENZO [A] FLUORENE	13.55	440	NJ
11.	UNKNOWN PAH	13.62	280	J
12. 2381-21-7	PYRENE, 1-METHYL-	13.78		NJ
13. 82-05-3	7H-BENZ [DE] ANTHRACEN-7-ONE	14.13		UN
14.	UNKNOWN	14.25	980	J
15.	UNKNOWN	14.82	170	J
16. 1090-13-7	5,12-NAPHTHACENEDIONE	15.67		NJ
17. 602-55-1	ANTHRACENE, 9-PHENYL-	16.03		NJ
18. 207-08-9	BENZO [K] FLUORANTHENE	16.53	770	U
19. 207-08-9	BENZO [K] FLUORANTHENE	16.89	1600	NJ
20. 205-82-3	BENZO [J] FLUORANTHENE	17.17	260	NJ
21.	UNKNOWN	18.21	990	J
22.	UNKNOWN	18.78	240	J
23.	UNKNOWN	19.13	830	J
24.	UNKNOWN PAH	19.46	270	J
25.	UNKNOWN PAH	19.61	520	J
26.	UNKNOWN PAH	20.15	1600	J
27.	UNKNOWN	20.95	550	J
28.	UNKNOWN	22.70	460	J
29.				
30.				
	I			

FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0086

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08

Sample wt/vol: 30.0(g/mL) G

Lab File ID: DH290

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 17

Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.7

Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG Q

		4	Ţ
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	Ü
621-64-7	N-Nitroso-di-n-propylamine	400	Ū
67-72-1	Hexachloroethane	400	Ū
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	Ü
111-91-1	bis(2-Chloroethoxy)methane	400	Ū
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	530	
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	Ū
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-Methylphenol	400	Ū
91-57-6	2-Methylnaphthalene	220	J
77-47-4	Hexachlorocyclopentadiene	400	Ū
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4 .	2,4,5-Trichlorophenol	1000	Ū
92-52-4	1,1'-Biphenyl	80	J
91-58-7	2-Chloronaphthalene	400	Ū
88-74-4	2-Nitroaniline	1000	Ū
131-11-3	Dimethylphthalate	400	Ū
606-20-2	2,6-Dinitrotoluene	400	Ū
208-96-8	Acenaphthylene	53	J
99-09-2	3-Nitroaniline	1000	Ū
83-32-9	Acenaphthene	100	J

E0086

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08

Sample wt/vol: 30.0(g/mL) G

Lab File ID: DH290

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.7

Extraction: (Type) SONC

(ug/L or ug/Kg) UG/KG Q

CONCENTRATION UNITS:

CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	Ū
132-64-9	Dibenzofuran	300	J
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	40	J
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U .
86-30-6	N-nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	Ŭ
1912-24-9	Atrazine	. 400	U
87-86-5	Pentachlorophenol	1000	Ŭ
85-01-8	Phenanthrene	960	
120-12-7	Anthracene	.97	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	Ū
206-44-0	Fluoranthene	820	
129-00-0	Pyrene	800	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo (a) anthracene	430	
218-01-9	Chrysene	540	
117-81-7	bis(2-Ethylhexyl)phthalate	75	J
117-84-0	Di-n-octylphthalate	400	Ū
205-99-2	Benzo(b) fluoranthene	830	·
207-08-9	Benzo(k)fluoranthene	400	
50-32-8	Benzo(a)pyrene	540	
193-39-5	Indeno(1,2,3-cd)pyrene	140	J
53-70-3	Dibenzo (a, h) anthracene	400	U
191-24-2	Benzo(q,h,i)perylene	150	J

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0086

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: DH290

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 17

Decanted: (Y/N) N

Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 19

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1. 90-12-0	NAPHTHALENE, 1-METHYL-	8.68	120	NJ
2. 571-58-4	NAPHTHALENE, 1,4-DIMETHYL-	9.63	210	NJ
3. 54789-45-6	3-BUTEN-2-ONE, 1-(2,3,6-TRIM	10.10	130	NJ
4. 7320-53-8	DIBENZOFURAN, 4-METHYL-	10.82		NJ
5. 529-05-5	AZULENE, 7-ETHYL-1,4-DIMETHY	11.42	85	
6.	UNKNOWN	11.89	96	J
7. 613-12-7	ANTHRACENE, 2-METHYL-	12.27	130	NJ
8.	UNKNOWN PAH	12.84		J
9. 25732-74-5	3,4-DIHYDROCYCLOPENTA(CD)PYR	14.24	88	NJ
10.	UNKNOWN ALCOHOL/ALKENE	15.56		J
11.	UNKNOWN	15.82	220	J
12.	UNKNOWN	16.05	260	J
13.	UNKNOWN	16.26	150	J
14. 192-97-2	BENZO [E] PYRENE	16.35	130	NJ
15. 207-08-9	BENZO [K] FLUORANTHENE	16.69	470	NJ
16. 5875-45-6	PHENOL, 2,5-BIS(1,1-DIMETHYL		140	
17. 1014-70-6	1,3,5-TRIAZINE-2,4-DIAMINE,	18.47	160	
18. 5875-45-6	PHENOL, 2,5-BIS(1,1-DIMETHYL	18.83	200	NJ
19. 958-71-4	11H-DIBENZO[C,F][1,2]DIAZEPI	19.86	90	NJ
20.		·		
21.				
22.				
23.				
24.				
25.				
26.			-	
27.				
28.				
29.				
30.				

FORM I SV-TIC

OLM04.3

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0086MS

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08MS

Sample wt/vol: 30.3(g/mL) G

Lab File ID: DH291

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

			1
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	1700	
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	1500	
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	. 390	Ū
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	950	
67-72-1	Hexachloroethane	390	Ŭ
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	. 390	Ū
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	230	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	Ŭ
59-50-7	4-Chloro-3-Methylphenol	1900	
91-57-6	2-Methylnaphthalene	72	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	Ū
95-95-4	2,4,5-Trichlorophenol	990	U
92-52-4	1,1'-Biphenyl	59	J
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	990	Ū
131-11-3	Dimethylphthalate	390	Ū
606-20-2	2,6-Dinitrotoluene	390	Ū
208-96-8	Acenaphthylene	390	Ū
99-09-2	3-Nitroaniline	990	Ū
83-32-9	Acenaphthene	1400	

EPA SAMPLE NO.

E0086MS

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08MS

Sample wt/vol:

30.3(g/mL) G

Lab File ID: DH291

Level: (low/med)

LOW

Date Received: 05/07/04

% Moisture: 17

Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume:

500 (uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.7

Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG Q

- 15.		000	Т т
51-28-5	2,4-Dinitrophenol	990	U
100-02-7	4-Nitrophenol	1900	
132-64-9	Dibenzofuran	390	
121-14-2	2,4-Dinitrotoluene	1400	
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U .
100-01-6	4-Nitroaniline	990	Ū
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	Ū
118-74-1	Hexachlorobenzene	390	Ü
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	720	J
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	110	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	530	
129-00-0	Pyrene	1700	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	Ū
56-55-3	Benzo(a) anthracene	330	J
218-01-9	Chrysene	370	J
117-81-7	bis(2-Ethylhexyl)phthalate	. 66	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b) fluoranthene	510	
207-08-9	Benzo(k) fluoranthene	320	J
50-32-8	Benzo(a)pyrene	350	J
193-39-5	Indeno (1,2,3-cd) pyrene	71	J.
53-70-3	Dibenzo (a, h) anthracene	390	U
191-24-2	Benzo(q,h,i)perylene	73	J

^{(1) -} Cannot be separated from Diphenylamine

E0086MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08MSD

Sample wt/vol: 30.5(g/mL) G Lab File ID: DH292

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

100-52-7 Benzaldehyde 390	
1 100-52-7   Delizatuellyue	U
108-95-2 Phenol 1800	
111-44-4 bis(2-Chloroethyl)Ether 390	U
95-57-8 2-Chlorophenol 1800	
95-48-7 2-Methylphenol 390	Ŭ
108-60-1 2,2'-oxybis(1-Chloropropane) 390	Ŭ
98-86-2 Acetophenone 390	U
106-44-5 4-Methylphenol 390	U
621-64-7 N-Nitroso-di-n-propylamine 1100	
67-72-1 Hexachloroethane 390	U
98-95-3 Nitrobenzene 390	U
78-59-1 Isophorone 390	Ū
88-75-5 2-Nitrophenol 390	U
105-67-9 2,4-Dimethylphenol 390	U
111-91-1 bis(2-Chloroethoxy)methane 390	U
120-83-2 2,4-Dichlorophenol 390	U
91-20-3 Naphthalene 270	J
106-47-8 4-Chloroaniline 390	U
87-68-3 Hexachlorobutadiene 390	U
105-60-2 Caprolactam 390	U
59-50-7 4-Chloro-3-Methylphenol 1800	
91-57-6 2-Methylnaphthalene 94	J
77-47-4 Hexachlorocyclopentadiene 390	U
88-06-2 2,4,6-Trichlorophenol 390	Ū
95-95-4 2,4,5-Trichlorophenol 980	U
92-52-4 1,1'-Biphenyl 40	J
91-58-7 2-Chloronaphthalene 390	U
88-74-4 2-Nitroaniline 980	U
131-11-3 Dimethylphthalate 390	U
606-20-2 2,6-Dinitrotoluene 390	Ū
208-96-8 Acenaphthylene 390	U
99-09-2 3-Nitroaniline 980	Ŭ
83-32-9 Acenaphthene 1300	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0086MSD

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08MSD

Sample wt/vol: 30.5(g/mL) G

Lab File ID: DH292

Level: (low/med)

LOW

Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

CAS NO. COMPOUND

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.7

Extraction: (Type) SONC

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u> Q

51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	1800	
132-64-9	Dibenzofuran	130	J
121-14-2	2,4-Dinitrotoluene	1300	
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	Ū
86-30-6	N-nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	770	J
85-01-8	Phenanthrene	570	
120-12-7	Anthracene	- 63	J
86-74-8	Carbazole	390	Ū
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	400	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a) anthracene	250	J
218-01-9	Chrysene	260	J
117-81-7	bis(2-Ethylhexyl)phthalate	53	J ·
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b) fluoranthene	460	
207-08-9	Benzo(k) fluoranthene	200	J
50-32-8	Benzo(a)pyrene	270	J
193-39-5	Indeno (1,2,3-cd) pyrene	59	J
53-70-3	Dibenzo(a,h)anthracene	390	Ū
191-24-2	Benzo(g,h,i)perylene	61	J

^{(1) -} Cannot be separated from Diphenylamine

E0087

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-09

Sample wt/vol: 1.0(g/mL) G

Lab File ID: K8411

Level: (low/med) MED

Date Received: 05/07/04

% Moisture: 27 Decanted: (Y/N)N

Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

92-52-4

91-58-7

88-74-4

2-Chloronaphthalene

2-Nitroaniline

131-11-3 Dimethylphthalate

208-96-8 Acenaphthylene

83-32-9 Acenaphthene

99-09-2 3-Nitroaniline

606-20-2 2,6-Dinitrotoluene

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

14000

14000

14000

34000 14000

14000

4300

34000

14000

IJ

Ū

Ū

J

CAS NO. COMPOUND

14000 Ū 100-52-7 Benzaldehyde 14000 108-95-2 Phenol 14000 111-44-4 | bis(2-Chloroethyl)Ether Ū 14000 Ū 95-57-8 2-Chlorophenol 95-48-7 2-Methylphenol 14000 U

108-60-1 2,2'-oxybis(1-Chloropropane) 98-86-2 14000 Acetophenone 106-44-5 14000 4-Methylphenol 14000 621-64-7 N-Nitroso-di-n-propylamine 14000 67-72-1 Hexachloroethane 14000 Ū 98-95-3 Nitrobenzene 14000 Ū 78-59-1 Isophorone 14000 Ū 88-75-5 2-Nitrophenol 105-67-9 2,4-Dimethylphenol 14000 111-91-1 bis(2-Chloroethoxy) methane 14000 120-83-2 2,4-Dichlorophenol 14000 91-20-3 Naphthalene 3100 106-47-8 4-Chloroaniline 14000 14000 87-68-3 Hexachlorobutadiene 14000 Ū 105-60-2 Caprolactam 14000 59-50-7 4-Chloro-3-Methylphenol U 2000 91-57-6 2-Methylnaphthalene J 77-47-4 Hexachlorocyclopentadiene 14000 2,4,6-Trichlorophenol 14000 88-06-2 2,4,5-Trichlorophenol 1,1'-Biphenyl 34000 IJ 95-95-4

FORM I SV-1

EPA SAMPLE NO.

E0087

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-09

Sample wt/vol:

1.0(g/mL) G

Lab File ID: K8411

Level:

(low/med)

MED

Date Received: 05/07/04

% Moisture: 27

Decanted: (Y/N)N

Date Extracted: 05/14/04

Concentrated Extract Volume:

500 (uL)

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.1

Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

S1-28-5	· ·		31000	T T T
132-64-9   Dibenzofuran   14000   U	51-28-5	2,4-Dinitrophenol	34000	U
121-14-2		4-Nitrophenol		1
121-12	132-64-9			
Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second	121-14-2	2,4-Dinitrotoluene		
Topology	84-66-2	Diethylphthalate		
100-01-6	86-73-7	Fluorene	1000	_
100-01-03   4-Nethalith   34-00   U   86-30-6   N-nitrosodiphenylamine (1)   14000   U   101-55-3   4-Bromophenyl-phenylether   14000   U   118-74-1   Hexachlorobene   14000   U   1912-24-9   Atrazine   14000   U   87-86-5   Pentachlorophenol   34000   U   85-01-8   Phenanthrene   36000   U   2012-7   Anthracene   2500   U   2012-7   Anthracene   2500   U   206-44-0   Fluoranthene   30000   U   206-44-0   Fluoranthene   30000   U   206-55-3   Benzo (a) anthracene   14000   U   205-99-2   Benzo (b) fluoranthene   13000   U   205-99-2   Benzo (b) fluoranthene   14000   U   205-99-2   Benzo (b) fluoranthene   14000   U   205-99-2   Benzo (c) fluoranthene   14000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Benzo (c) fluoranthene   19000   U   205-99-2   Enzo (c) fluoranthene   23000   U   23000   U   23000   U   23000   U   23000   U   23000   U   23000   U   230	7005-72-3	4-Chlorophenyl-phenylether		1
S6-30-6   N-nitrosodiphenylamine (1)   14000   U   101-55-3   4-Bromophenyl-phenylether   14000   U   118-74-1   Hexachlorobenzene   14000   U   1912-24-9   Atrazine   14000   U   87-86-5   Pentachlorophenol   34000   U   85-01-8   Phenanthrene   36000   D   201-12-7   Anthracene   2500   U   201-12-7   Anthracene   2500   U   201-12-7   Anthracene   2500   U   201-12-7   Anthracene   2500   U   201-12-7   Anthracene   2500   U   201-12-7   Anthracene   2500   U   201-12-7   Anthracene   2500   U   201-12-7   Anthracene   2500   U   201-12-7   Anthracene   2500   U   201-12-7   Anthracene   30000   U   201-12-7   Anthracene   30000   U   201-12-7   Anthracene   30000   U   201-12-7   Anthracene   31000   U   201-12-7   Anthracene   31000   U   201-12-7   Anthracene   31000   U   201-12-7   Anthracene   13000   U   201-12-7   Anthracene   13000   U   201-12-7   Anthracene   13000   U   201-12-7   Anthracene   13000   U   201-12-7   Anthracene   14000   U   201-12-7   Anthracene   14000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   15000   U   201-12-7   Anthracene   2300   U   201-12-7   Anthracene   2300   U   201-12-7   Anthracene   2300   U   201-12-7   Anthracene   2300   U   201-12-7   Anthracene   2300   U	100-01-6	4-Nitroaniline		
86-30-6       N-nitrosodiphenylamine (1)       14000       U         101-55-3       4-Bromophenyl-phenylether       14000       U         118-74-1       Hexachlorobenzene       14000       U         1912-24-9       Atrazine       14000       U         87-86-5       Pentachlorophenol       34000       U         85-01-8       Phenanthrene       36000         120-12-7       Anthracene       10000       J         86-74-8       Carbazole       2500       J         84-74-2       Di-n-butylphthalate       14000       U         206-44-0       Fluoranthene       30000         129-00-0       Pyrene       31000         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo (a) anthracene       13000       J         218-01-9       Chrysene       14000       U         117-81-7       bis (2-Ethylhexyl)phthalate       14000       U         117-84-0       Di-n-octylphthalate       9000       J         207-08-9       Benzo (k) fluoranthene       9000       J         207-08-9       Benzo (	534-52-1	4,6-Dinitro-2-methylphenol		
101-33-3	86-30-6		I	, –
1912-24-9   Atrazine   14000   U	101-55-3	4-Bromophenyl-phenylether		
RT   RT   RT   RT   RT   RT   RT   RT				1
87-86-5       Pentachlorophenol       34000       U         85-01-8       Phenanthrene       36000         120-12-7       Anthracene       10000       J         86-74-8       Carbazole       2500       J         84-74-2       Di-n-butylphthalate       14000       U         206-44-0       Fluoranthene       30000         129-00-0       Pyrene       31000         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo (a) anthracene       13000       J         218-01-9       Chrysene       14000       U         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         205-99-2       Benzo (b) fluoranthene       9000       J         207-08-9       Benzo (b) fluoranthene       9000       J         50-32-8       Benzo (k) fluoranthene       10000       J         50-32-8       Benzo (a) pyrene       11000       J         53-70-3       Dibenzo (a, h) anthracene       2300       J	1912-24-9	Atrazine		
120-12-7   Anthracene   10000   J		Pentachlorophenol		U
S6-74-8   Carbazole   2500	85-01-8	Phenanthrene	36000	
86-74-8       Carbazole       2500       J         84-74-2       Di-n-butylphthalate       14000       U         206-44-0       Fluoranthene       30000         129-00-0       Pyrene       31000         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo (a) anthracene       13000       J         218-01-9       Chrysene       14000       U         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo (b) fluoranthene       9000       J         207-08-9       Benzo (k) fluoranthene       10000       J         50-32-8       Benzo (a) pyrene       11000       J         193-39-5       Indeno (1,2,3-cd) pyrene       7200       J         53-70-3       Dibenzo (a, h) anthracene       2300       J	120-12-7	Anthracene	10000	
84-74-2       Di-n-butylphthalate       14000       U         206-44-0       Fluoranthene       30000         129-00-0       Pyrene       31000         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo (a) anthracene       13000       J         218-01-9       Chrysene       14000       U         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo (b) fluoranthene       9000       J         207-08-9       Benzo (k) fluoranthene       10000       J         50-32-8       Benzo (a) pyrene       11000       J         193-39-5       Indeno (1,2,3-cd) pyrene       7200       J         53-70-3       Dibenzo (a, h) anthracene       2300       J		Carbazole	2500	
206-44-0       Fluoranthene       30000         129-00-0       Pyrene       31000         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo (a) anthracene       13000       J         218-01-9       Chrysene       14000       U         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         205-99-2       Benzo (b) fluoranthene       9000       J         207-08-9       Benzo (k) fluoranthene       9000       J         50-32-8       Benzo (a) pyrene       11000       J         193-39-5       Indeno (1, 2, 3-cd) pyrene       7200       J         53-70-3       Dibenzo (a, h) anthracene       2300       J	84-74-2	Di-n-butylphthalate	14000	U
85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo (a) anthracene       13000       J         218-01-9       Chrysene       14000         117-81-7       bis (2-Ethylhexyl)phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo (b) fluoranthene       9000       J         207-08-9       Benzo (k) fluoranthene       10000       J         50-32-8       Benzo (a) pyrene       11000       J         193-39-5       Indeno (1, 2, 3-cd) pyrene       7200       J         53-70-3       Dibenzo (a, h) anthracene       2300       J	206-44-0		1	
85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo (a) anthracene       13000       J         218-01-9       Chrysene       14000         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo (b) fluoranthene       9000       J         207-08-9       Benzo (k) fluoranthene       10000       J         50-32-8       Benzo (a) pyrene       11000       J         193-39-5       Indeno (1, 2, 3-cd) pyrene       7200       J         53-70-3       Dibenzo (a, h) anthracene       2300       J	129-00-0	Pyrene	31000	
91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo(a) anthracene       13000       J         218-01-9       Chrysene       14000         117-81-7       bis(2-Ethylhexyl)phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo(b) fluoranthene       9000       J         207-08-9       Benzo(k) fluoranthene       10000       J         50-32-8       Benzo(a) pyrene       11000       J         193-39-5       Indeno(1,2,3-cd) pyrene       7200       J         53-70-3       Dibenzo(a,h) anthracene       2300       J		Butylbenzylphthalate	14000	
218-01-9       Chrysene       14000         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo (b) fluoranthene       9000       J         207-08-9       Benzo (k) fluoranthene       10000       J         50-32-8       Benzo (a) pyrene       11000       J         193-39-5       Indeno (1,2,3-cd) pyrene       7200       J         53-70-3       Dibenzo (a,h) anthracene       2300       J		3,3'-Dichlorobenzidine	14000	_
218-01-9       Chrysene       14000         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo (b) fluoranthene       9000       J         207-08-9       Benzo (k) fluoranthene       10000       J         50-32-8       Benzo (a) pyrene       11000       J         193-39-5       Indeno (1, 2, 3-cd) pyrene       7200       J         53-70-3       Dibenzo (a, h) anthracene       2300       J		Benzo (a) anthracene	13000	J
117-81-7       bis(2-Ethylhexyl)phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo(b)fluoranthene       9000       J         207-08-9       Benzo(k)fluoranthene       10000       J         50-32-8       Benzo(a)pyrene       11000       J         193-39-5       Indeno(1,2,3-cd)pyrene       7200       J         53-70-3       Dibenzo(a,h)anthracene       2300       J		the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	14000	
117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo (b) fluoranthene       9000       J         207-08-9       Benzo (k) fluoranthene       10000       J         50-32-8       Benzo (a) pyrene       11000       J         193-39-5       Indeno (1,2,3-cd) pyrene       7200       J         53-70-3       Dibenzo (a,h) anthracene       2300       J			14000	
205-99-2       Benzo (b) fluoranthene       9000 J         207-08-9       Benzo (k) fluoranthene       10000 J         50-32-8       Benzo (a) pyrene       11000 J         193-39-5       Indeno (1,2,3-cd) pyrene       7200 J         53-70-3       Dibenzo (a,h) anthracene       2300 J			14000	_
207-08-9         Benzo (k) fluoranthene         10000 J           50-32-8         Benzo (a) pyrene         11000 J           193-39-5         Indeno (1,2,3-cd) pyrene         7200 J           53-70-3         Dibenzo (a,h) anthracene         2300 J			9000	
50-32-8         Benzo (a) pyrene         11000         J           193-39-5         Indeno (1, 2, 3-cd) pyrene         7200         J           53-70-3         Dibenzo (a, h) anthracene         2300         J			. 10000	
193-39-5       Indeno (1, 2, 3-cd) pyrene       7200       J         53-70-3       Dibenzo (a, h) anthracene       2300       J			11000	-
53-70-3 Dibenzo (a,h) anthracene 2300 J			7200	
			2300	
		The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	7700	J

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0087

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-09

Sample wt/vol:

1.0 (g/mL) G

Lab File ID: K8411

Level: (low/med)

MED

% Moisture: 27 Decanted: (Y/N) N

Date Extracted:05/14/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/20/04

Date Received: 05/07/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Extraction: (Type) SONC

(uq/L or ug/Kg) ug/Kg

CONCENTRATION UNITS:

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q.
	INTRICANT DATE	7.88	5900	J=====
1.	UNKNOWN PAH	8.53	4900	
2.	UNKNOWN	8.63	4600	
3.	UNKNOWN AROMATIC COMPOUND	8.75	17000	
4.	UNKNOWN AROMATIC COMPOUND	8.87	7800	
5.		9.35	16000	
6.	021121011212121212121212121212121212121	9.41	8100	
7.		9.41	23000	
8.	UNKNOWN	9.93	9900	
9.	UNKNOWN	10.44	50000	
10.	UNKNOWN PAH	10.44	42000	J
11.	UNKNOWN PAH	10.49	30000	J
12.	UNKNOWN		21000	J
13.	UNKNOWN	11.01		
14.	UNKNOWN	11.03	21000	
15.	UNKNOWN	12.36	3700	J
16.	UNKNOWN	12.83	3900	J
17.	UNKNOWN	15.86	3500	
18.	UNKNOWN	15.93	6200	
19.	UNKNOWN	16.00	3600	
20.	UNKNOWN	16.74	5100	J
21.				
22.				
23.				
24				
25.				
26.				
27.				
28.				
29.		<b>†</b>		
30.				
1			L	١

OLM04.3

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-09MS

Sample wt/vol: 1.2(g/mL) G Lab File ID: K8412

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 27 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO. COMPOUND CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

		· 3, 3, <u></u>	•
100-52-7	Benzaldehyde	11000	U
108-95-2	Phenol	52000	
111-44-4	bis(2-Chloroethyl)Ether	11000	Ŭ
95-57-8	2-Chlorophenol	47000	
95-48-7	2-Methylphenol	11000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11000	U
98-86-2	Acetophenone	11000	U
106-44-5	4-Methylphenol	11000	Ū
621-64-7	N-Nitroso-di-n-propylamine	33000	
67-72-1	Hexachloroethane	11000	U
98-95-3	Nitrobenzene	11000	U
78-59-1	Isophorone	11000	U
88-75-5	2-Nitrophenol	11000	U _.
105-67-9	2,4-Dimethylphenol	11000	U
111-91-1	bis(2-Chloroethoxy)methane	11000	Ū
120-83-2	2,4-Dichlorophenol	11000	Ū
91-20-3	Naphthalene	2300	J
106-47-8	4-Chloroaniline	11000	U
87-68-3	Hexachlorobutadiene	11000	U
105-60-2	Caprolactam	11000	U
59-50-7	4-Chloro-3-Methylphenol	59000	
91-57-6	2-Methylnaphthalene	1800	J
77-47-4:	Hexachlorocyclopentadiene	11000	U ·
88-06-2	2,4,6-Trichlorophenol	11000	U
95-95-4	2,4,5-Trichlorophenol	29000	U
92-52-4	1,1'-Biphenyl	11000	U
91-58-7	2-Chloronaphthalene	11000	U
88-74-4	2-Nitroaniline	29000	U
131-11-3	Dimethylphthalate	11000	U
606-20-2	2,6-Dinitrotoluene	11000	U
208-96-8	Acenaphthylene	11000	U
99-09-2	3-Nitroaniline	29000	U
83-32-9	Acenaphthene	39000	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0087MS

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-09MS

Sample wt/vol:

Lab File ID: K8412

1.2(g/mL) G

Level: (low/med)

MED

Date Received: 05/07/04

% Moisture: 27 Decanted: (Y/N)N

Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

		20000	T + +
51-28-5	2,4-Dinitrophenol	29000	U
100-02-7	4-Nitrophenol	65.000	
132-64-9	Dibenzofuran	3900	J
121-14-2	2,4-Dinitrotoluene	42000	
84-66-2	Diethylphthalate	11000	U
86-73-7	Fluorene	5200	J
7005-72-3	4-Chlorophenyl-phenylether	11000	U
100-01-6	4-Nitroaniline	29000	U
534-52-1	4,6-Dinitro-2-methylphenol	29000	U
86-30-6	N-nitrosodiphenylamine (1)	11000	U ,
101-55-3	4-Bromophenyl-phenylether	11000	Ū.
118-74-1	Hexachlorobenzene	11000	U
1912-24-9	Atrazine	11000	U
87-86-5	Pentachlorophenol ·	38000	
85-01-8	Phenanthrene	39000	
120-12-7	Anthracene	11000	
86-74-8	Carbazole	2300	J
84-74-2	Di-n-butylphthalate	11000	Ū
206-44-0	Fluoranthene	43000	
129-00-0	Pyrene	99000	E
85-68-7	Butylbenzylphthalate	11000	U
91-94-1	3,3'-Dichlorobenzidine	11000	U
56-55-3	Benzo(a) anthracene	23000	
218-01-9	Chrysene	22000	
117-81-7	bis(2-Ethylhexyl)phthalate	6600	J
117-84-0	Di-n-octylphthalate	11000	U
205-99-2	Benzo(b)fluoranthene	17000	
207-08-9	Benzo(k)fluoranthene	19000	
50-32-8	Benzo(a)pyrene	22000	
193-39-5	Indeno (1,2,3-cd) pyrene	15000	
53-70-3	Dibenzo (a, h) anthracene	4700	J
191-24-2	Benzo(g,h,i)perylene	16000	

E0087MSD

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-09MSD

Sample wt/vol:

1.0(g/mL) G

Lab File ID: K8413

Level: (low/med)

MED

Date Received: 05/07/04

% Moisture: 27 Decanted: (Y/N)N

Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.1

Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) <u>UG/KG</u> Q

		14000	IJ
100-52-7	Benzaldehyde		0
108-95-2	Phenol	62000	IJ
111-44-4	bis(2-Chloroethyl)Ether	14000	U
95-57-8	2-Chlorophenol	58000	
95-48-7	2-Methylphenol	14000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	14000	U
98-86-2	Acetophenone	14000	Ü
106-44-5	4-Methylphenol	14000	U
621-64-7	N-Nitroso-di-n-propylamine	39000	
67-72-1	Hexachloroethane	14000	U
98-95-3	Nitrobenzene	14000	U
78-59-1	Isophorone	14000	U
88-75-5	2-Nitrophenol	14000	U
105-67-9	2,4-Dimethylphenol	14000	U
111-91-1	bis(2-Chloroethoxy)methane	14000	Ū
120-83-2	2,4-Dichlorophenol	14000	U
91-20-3	Naphthalene	14000	Ū
106-47-8	4-Chloroaniline	14000	U
87-68-3	Hexachlorobutadiene	14000	Ŭ
105-60-2	Caprolactam	14000	U
59-50-7	4-Chloro-3-Methylphenol	74000	
91-57-6	2-Methylnaphthalene	1700	J
77-47-4	Hexachlorocyclopentadiene	14000	U
88-06-2	2,4,6-Trichlorophenol	14000	U
95-95-4	2,4,5-Trichlorophenol	. 34000	U
92-52-4	1,1'-Biphenyl	14000	U
91-58-7	2-Chloronaphthalene	14000	U
88-74-4	2-Nitroaniline	34000	U
131-11-3	Dimethylphthalate	14000	U
606-20-2	2,6-Dinitrotoluene	14000	U
208-96-8	Acenaphthylene	14000	Ū
99-09-2	3-Nitroaniline	34000	Ū
83-32-9	Acenaphthene	49000	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0087MSD

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-09MSD

Sample wt/vol: 1.0(g/mL) G

Lab File ID: K8413

Level: (low/med) MED

Date Received: 05/07/04

% Moisture: 27 Decanted: (Y/N)N

Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS:

(uq/L or ug/Kg) UG/KG Q

34000 U 77000 132-64-9 Dibenzofuran 14000 2,4-Dinitrotoluene 121-14-2 51000 84-66-2 Diethylphthalate 14000 86-73-7 Fluorene 14000 U 7005-72-3 4-Chlorophenyl-phenylether 14000 IJ 100-01-6 4-Nitroaniline 34000 534-52-1 4,6-Dinitro-2-methylphenol 34000 86-30-6 N-nitrosodiphenylamine (1) 14000 4-Bromophenyl-phenylether 101-55-3 118-74-1 14000 U Hexachlorobenzene 14000 Ū 1912-24-9 Atrazine 14000 87-86-5 Pentachlorophenol 47000 85-01-8 Phenanthrene 7200 120-12-7 Anthracene 1900 86-74-8 Carbazole 14000 84-74-2 Di-n-butylphthalate 14000 206-44-0 Fluoranthene 49000 129-00-0 Pyrene 64000 Butylbenzylphthalate 3,3'-Dichlorobenzidine 85-68-7 14000 91-94-1 14000 Ū 56-55-3 Benzo(a) anthracene 2600 J 218-01-9 Chrysene 3600 117-81-7 bis(2-Ethylhexyl)phthalate 14000 Ū 117-84-0 Di-n-octylphthalate 14000 Ū Benzo (b) fluoranthene 205-99-2 14000 Ū 207-08-9 Benzo(k) fluoranthene 14000 IJ 50-32-8 Benzo(a) pyrene Indeno(1,2,3-cd) pyrene 14000 Ū 193-39-5 14000 Ū 53-70-3 Dibenzo (a, h) anthracene 14000 Ū 191-24-2 Benzo(q,h,i)perylene 14000

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

E0088

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-10

Sample wt/vol: 1.2(g/mL) G

Lab File ID: K8414

Level: (low/med) MED

% Moisture: 22 Decanted: (Y/N)N

Date Received: 05/07/04

Concentrated Extract Volume: 500 (uL)

Date Extracted: 05/14/04

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 5.9

Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	110000	U
108-95-2	Phenol	110000	Ū
111-44-4	bis(2-Chloroethyl)Ether	110000	Ū
95-57-8	2-Chlorophenol	110000	Ū
95-48-7	2-Methylphenol	110000	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	110000	Ū
98-86-2	Acetophenone	110000	Ū
106-44-5	4-Methylphenol	110000	U
621-64-7	N-Nitroso-di-n-propylamine	110000	Ū
67-72-1	Hexachloroethane	110000	Ū
98-95-3	Nitrobenzene	110000	Ū
78-59-1	Isophorone	110000	U
88-75-5	2-Nitrophenol	110000	Ū
105-67-9	2,4-Dimethylphenol	110000	U
111-91-1	bis(2-Chloroethoxy)methane	110000	U .
120-83-2	2,4-Dichlorophenol	110000	Ū
91-20-3	Naphthalene	110000	U
106-47-8	4-Chloroaniline	110000	Ū
87-68-3	Hexachlorobutadiene	110000	U
105-60-2	Caprolactam	110000	Ū
59-50-7	4-Chloro-3-Methylphenol	110000	U
91-57-6	2-Methylnaphthalene	170000	
77-47-4	Hexachlorocyclopentadiene	110000	Ū
88-06-2	2,4,6-Trichlorophenol	110000	U
95-95-4	2,4,5-Trichlorophenol	270000	Ū
92-52-4	1,1'-Biphenyl	110000	Ū
91-58-7	2-Chloronaphthalene	110000	U
88-74-4	2-Nitroaniline	270000	Ū
131-11-3	Dimethylphthalate	110000	Ū
606-20-2	2,6-Dinitrotoluene	110000	Ū
208-96-8	Acenaphthylene	110000	Ū
99-09-2	3-Nitroaniline	270000	Ū
83-32-9	Acenaphthene	19000	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-10

Sample wt/vol: 1.2(g/mL) G Lab File ID: K8414

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 22 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 5.9 Extraction: (Type) SONC

CAS NO. COMPOUND CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

51-28-5	2,4-Dinitrophenol	270000	U
100-02-7	4-Nitrophenol	270000	Ū
132-64-9	Dibenzofuran	12000	J
121-14-2	2,4-Dinitrotoluene	110000	U
84-66-2	Diethylphthalate	110000	U
86-73-7	Fluorene	25000	J
7005-72-3	4-Chlorophenyl-phenylether	110000	U
100-01-6	4-Nitroaniline	270000	U
534-52-1	4,6-Dinitro-2-methylphenol	270000	U
86-30-6	N-nitrosodiphenylamine (1)	110000	Ŭ,
101-55-3	4-Bromophenyl-phenylether	110000	Ū
118-74-1	Hexachlorobenzene	110000	Ū
1912-24-9	Atrazine	110000	U
87-86-5	Pentachlorophenol	270000	U
85-01-8	Phenanthrene	75000	J
120-12-7	Anthracene	14000	J
86-74-8	Carbazole	110000	U
84-74-2	Di-n-butylphthalate	110000	Ŭ
206-44-0	Fluoranthene	110000	U
129-00-0	Pyrene	110000	U
85-68-7	Butylbenzylphthalate	110000	U
91-94-1	3,3'-Dichlorobenzidine	110000	U
56-55-3	Benzo(a) anthracene	110000	U
218-01-9	Chrysene	110000	U
117-81-7	bis(2-Ethylhexyl)phthalate	110000	Ū
117-84-0	Di-n-octylphthalate	110000	Ŭ
205-99-2	Benzo(b)fluoranthene	110000	U
207-08-9	Benzo(k)fluoranthene	110000	Ū
50-32-8	Benzo(a) pyrene .	110000	Ū
193-39-5	Indeno(1,2,3-cd)pyrene	110000	U
53-70-3	Dibenzo(a,h)anthracene	110000	U
191-24-2	Benzo(g,h,i)perylene	110000	U

E0088

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

SDG No.: E0074 Lab Code: CEIMIC Case No.: 32839 SAS No.:

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-10

Lab File ID: K8414

Sample wt/vol: 1.2 (g/mL) G

Level: (low/med) MED

Date Received: 05/07/04

% Moisture: 22 Decanted: (Y/N) N

Date Extracted:05/14/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 5.9

Extraction: (Type) SONC

CONCENTRATION UNITS:

Number TICs found: 30

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	0
	=======================================	======	=========	====
1.	UNKNOWN AROMATIC COMPOUND	6.25	38000	J
2.	UNKNOWN AROMATIC COMPOUND	6.29	47000	J
3. 90-12-0	NAPHTHALENE, 1-METHYL-	6.47	200000	NJ
4.	UNKNOWN	6.51	69000	
5. 4175-54-6	NAPHTHALENE, 1,2,3,4-TETRAHY	6.95	43000	NJ
6. 939-27-5	NAPHTHALENE, 2-ETHYL-	6.98	55000	NJ
7. 575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	7.06	240000	NJ
8. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	7.16	190000	
9. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	7.29		NJ
10. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	7.40	75000	NJ
11.	UNKNOWN ALCOHOL/ALKENE	7.43	51000	
12.	UNKNOWN PAH	7.71	71000	J
13. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	7.79	130000	NJ
14. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	7.88		NJ
15. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	7.90	63000	NJ
16. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	7.97	61000	NJ
17.	UNKNOWN PAH	8.07	41000	J
18.	UNKNOWN	8.26	54000	J
19.	UNKNOWN	8.32	54000	J
20.	UNKNOWN	8.38	49000	J
21. 529-05-5	AZULENE, 7-ETHYL-1,4-DIMETHY	8.46	74000	NJ
22. 529-05-5	AZULENE, 7-ETHYL-1,4-DIMETHY	8.53	57000	NJ
23.	UNKNOWN	8.65	160000	J
24.	UNKNOWN	8.71	29000	J
25.	UNKNOWN AROMATIC COMPOUND	8.87	72000	J
26.	UNKNOWN	9.17	76000	J
27.	UNKNOWN	9.24		J
28.	UNKNOWN PAH	9.38		Ĵ
29.	UNKNOWN PAH	9.40		<del>J</del>
30. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	9.84		NJ

FORM I SV-TIC

OLM04.3

E0089

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

SDG No.: E0074 Lab Code: CEIMIC Case No.: 32839 SAS No.:

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-11

Sample wt/vol:

30.2(g/mL) G

Lab File ID: JL248

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 6 Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume:

500 (uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG Q

		250	T + +
100-52-7	Benzaldehyde	350	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	Ü
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
98-86-2	Acetophenone	350	U
106-44-5	4-Methylphenol	350	Ū
621-64-7	N-Nitroso-di-n-propylamine	350_	U
67-72-1	Hexachloroethane	350	Ū
98-95-3	Nitrobenzene	350	Ū
78-59-1	Isophorone	350	Ū
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	Ū
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	Ŭ :
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	Ū
87-68-3	Hexachlorobutadiene	350	Ū
105-60-2	Caprolactam	350	U
59-50-7	4-Chloro-3-Methylphenol	350	Ū
91-57-6	2-Methylnaphthalene	54	J
77-47-4	Hexachlorocyclopentadiene	350	Ū
88-06-2	2,4,6-Trichlorophenol	350	Ū
95-95-4	2,4,5-Trichlorophenol	880	U
92-52-4	1,1'-Biphenyl	350	U
91-58-7	2-Chloronaphthalene	350	Ū
88-74-4	2-Nitroaniline	880	U
131-11-3	Dimethylphthalate	350	U .
606-20-2	2,6-Dinitrotoluene	350	U
208-96-8	Acenaphthylene	350	Ū
99-09-2	3-Nitroaniline	880	Ū
83-32-9	Acenaphthene	. 350	U

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: 68-W-03-018 Lab Name: CEIMIC CORP

E0089

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-11

Sample wt/vol: 30.2(g/mL) G

Lab File ID: JL248

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 6 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

51-28-5 2,4-Dinitrophenol 880 U 100-02-7 4-Nitrophenol 880 132-64-9 Dibenzofuran 350 ŢŢ 121-14-2 2,4-Dinitrotoluene 350 350 84-66-2 Diethylphthalate Ū 86-73-7 350 Fluorene 7005-72-3 4-Chlorophenyl-phenylether 350 880 Ū 100-01-6 4-Nitroaniline 534-52-1 4,6-Dinitro-2-methylphenol 880 Ū 86-30-6 N-nitrosodiphenylamine (1) 350 101-55-3 4-Bromophenyl-phenylether 350 118-74-1 Hexachlorobenzene 350 ΤĪ 1912-24-9 Atrazine 350 Ū 87-86-5 Pentachlorophenol 880 85-01-8 Phenanthrene 85 120-12-7 Anthracene 350 IJ 86-74-8 Carbazole 350 84-74-2 Di-n-butylphthalate 350 U 206-44-0 | Fluoranthene 350 129-00-0 Pyrene 85-68-7 Butylbenzylphthalate 350 91-94-1 3,3'-Dichlorobenzidine 350 56-55-3 218-01-9 Benzo (a) anthracene 218-01-9 Chrysene 68 117-81-7 bis(2-Ethylhexyl)phthalate 54 117-84-0 Di-n-octylphthalate 350 Ū 205-99-2 Benzo(b) fluoranthene 37 207-08-9 Benzo(k) fluoranthene 350 50-32-8 Benzo(a)pyrene 350 TT 193-39-5 Indeno (1, 2, 3-cd) pyrene 53-70-3 Dibenzo (a, h) anthracene 84 49 Benzo(g,h,i)perylene 191-24-2 180

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0089 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Sample ID: 040369-11

Matrix: (soil/water) SOIL

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: JL248

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 6 Decanted: (Y/N) N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 7

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.57	92	J
2. 575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	9.58	240	NJ
3. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	10.56	86	
4.	UNKNOWN	12.77	.100	J
5.	UNKNOWN ALCOHOL/ALKENE	13.01	400	J
6.	UNKNOWN	21.99	590	J
7.	UNKNOWN	23.76	840	J
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.			`	
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.	·			

FORM I SV-TIC

OLM04.3

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

E0090

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-12

Sample wt/vol: 1.2(g/mL) G

Lab File ID: K8415

Level: (low/med) MED

Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N)N

Concentrated Extract Volume: 500 (uL)

Date Extracted: 05/14/04

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

100 50 5			
100-52-7	Benzaldehyde	10000	U
108-95-2	Phenol	10000	Ŭ
111-44-4	bis(2-Chloroethyl)Ether	10000	Ū
95-57-8	2-Chlorophenol	10000	U
95-48-7	2-Methylphenol	10000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10000	Ū
98-86-2	Acetophenone	10000	Ū
106-44-5	4-Methylphenol	10000	Ū
621-64-7	N-Nitroso-di-n-propylamine	10000	U
67-72-1	Hexachloroethane	10000	U
98-95-3	Nitrobenzene	10000	U
78-59-1	Isophorone	10000	U
88-75-5	2-Nitrophenol	10000	Ū
105-67-9	2,4-Dimethylphenol	10000	Ū
111-91-1	bis(2-Chloroethoxy)methane	10000	Ū
120-83-2	2,4-Dichlorophenol	10000	U
91-20-3	Naphthalene	10000	U
106-47-8	4-Chloroaniline	10000	Ū
87-68-3	Hexachlorobutadiene	10000	Ū
105-60-2	Caprolactam	10000	Ü
59-50-7	4-Chloro-3-Methylphenol	10000	Ū
91-57-6	2-Methylnaphthalene	10000	Ū
77-47-4	Hexachlorocyclopentadiene	10000	Ū
88-06-2	2,4,6-Trichlorophenol	10000	U
95-95-4	2,4,5-Trichlorophenol	25000	U
92-52-4	1,1'-Biphenyl	10000	Ū
91-58-7	2-Chloronaphthalene	10000	Ū
88-74-4	2-Nitroaniline	25000	Ū
131-11-3	Dimethylphthalate	10000	Ū
606-20-2	2,6-Dinitrotoluene	10000	Ū
208-96-8	Acenaphthylene	10000	Ū
99-09-2	3-Nitroaniline	25000	<del>Ŭ</del>
83-32-9	Acenaphthene	10000	IJ

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0090

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-12

Sample wt/vol: 1.2(g/mL) G

Lab File ID: K8415

Level: (low/med) MED

% Moisture: 17 Decanted: (Y/N)N

Date Received: 05/07/04

Date Extracted: 05/14/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

Extraction: (Type) SONC

GPC Cleanup: (Y/N) Y pH: 7.5

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/K	G Q
		(45, 4 s = 45, 1-5, 35, 15)	_ *
51-28-5	2,4-Dinitrophenol	25000	U
100-02-7	4-Nitrophenol	25000	Ū
132-64-9	Dibenzofuran	10000	Ū
121-14-2	2,4-Dinitrotoluene	10000	Ū
84-66-2	Diethylphthalate	10000	U
86-73-7	Fluorene	10000	U
7005-72-3	4-Chlorophenyl-phenylether	10000	Ū .
100-01-6	4-Nitroaniline	25000	U
534-52-1	4,6-Dinitro-2-methylphenol	25000	U
86-30-6	N-nitrosodiphenylamine (1)	10000	Ū '
101-55-3	4-Bromophenyl-phenylether	10000	Ū
118-74-1	Hexachlorobenzene	10000	U
1912-24-9	Atrazine	10000	U
87-86-5	Pentachlorophenol	25000	Ū
85-01-8	Phenanthrene	1800	J
120-12-7	Anthracene	10000	Ū
86-74-8	Carbazole	10000	Ū
84-74-2	Di-n-butylphthalate	10000	Ū
206-44-0	Fluoranthene	1700	J
129-00-0	Pyrene	2300	J
85-68-7	Butylbenzylphthalate	10000	Ū
91-94-1	3,3'-Dichlorobenzidine	10000	U
56-55-3	Benzo(a) anthracene	1200	J
218-01-9	Chrysene	1700	J
117-81-7	bis(2-Ethylhexyl)phthalate	4800	J
117-84-0	Di-n-octylphthalate	10000	Ū
205-99-2	Benzo(b) fluoranthene	10000	Ū
207-08-9	Benzo(k)fluoranthene	1200	J
50-32-8	Benzo(a) pyrene	1000	J
193-39-5	Indeno(1,2,3-cd)pyrene	10000	Ū
53-70-3	Dibenzo(a,h)anthracene	10000	U
191-24-2	Benzo(g,h,i)perylene	10000	U

E0090

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-12

Sample wt/vol: 1.2 (g/mL) G

Lab File ID: K8415

Level: (low/med) MED

Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N) N Date Extracted:05/14/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 9

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.92	2500	JB (()
2.	UNKNOWN	11.50	3200	J J
3.	UNKNOWN	11.68	2900	J
4.	UNKNOWN	11.74	4200	J
5.	UNKNOWN	11.90	2700	J
6.	UNKNOWN	11.94	3100	J
7.	UNKNOWN	12.50	3300	J
8.	UNKNOWN	12.88	6400	J
9.	UNKNOWN	14.47	3800	J
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.	·			
28.				
29.				
30.				<del></del>

FORM I SV-TIC

OLM04.3

E0091

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-13

Lab File ID: K8416

Sample wt/vol:

1.1(g/mL) G

Level: (low/med) MED

Date Received: 05/07/04

% Moisture: 31 Decanted: (Y/N)Y

Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	13000	U
108-95-2	Phenol	13000	U
111-44-4	bis(2-Chloroethyl)Ether	13000	U
95-57-8	2-Chlorophenol	13000	U
95-48-7	2-Methylphenol	13000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	13000	·U
98-86-2	Acetophenone	13000	U
106-44-5	4-Methylphenol	13000	U
621-64-7	N-Nitroso-di-n-propylamine	13000	U
67-72-1	Hexachloroethane	13000	U
98-95-3	Nitrobenzene	13000	U
78-59-1	Isophorone	13000	U
88-75-5	2-Nitrophenol	13000	U
105-67-9	2,4-Dimethylphenol	13000	U
111-91-1	bis(2-Chloroethoxy)methane	13000	U .
120-83-2	2,4-Dichlorophenol	13000	U
91-20-3	Naphthalene	13000	Ū
106-47-8	4-Chloroaniline	13000	U
87-68-3	Hexachlorobutadiene	13000	Ū
105-60-2	Caprolactam	13000	U
59-50-7	4-Chloro-3-Methylphenol	13000	Ū
91-57-6	2-Methylnaphthalene	14.000	
77-47-4	Hexachlorocyclopentadiene	13000	U
88-06-2	2,4,6-Trichlorophenol	13000	U
95-95-4	2,4,5-Trichlorophenol	33000	Ū
92-52-4	1,1'-Biphenyl	13000	Ū
91-58-7	2-Chloronaphthalene	13000	Ū
88-74-4	2-Nitroaniline	33000	Ū
131-11-3	Dimethylphthalate	13000	Ū
606-20-2	2,6-Dinitrotoluene	13000	U.
208-96-8	Acenaphthylene	13000	U
99-09-2	3-Nitroaniline	33000	Ū
83-32-9	Acenaphthene	1800	J

#### 10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-13

Sample wt/vol: 1.1(g/mL) G Lab File ID: K8416

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 31 Decanted: (Y/N)Y Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

51-28-5	2,4-Dinitrophenol	33000	Ŭ
100-02-7	4-Nitrophenol	33000	Ŭ ·
132-64-9	Dibenzofuran	13000	U
121-14-2	2,4-Dinitrotoluene	13000	U
84-66-2	Diethylphthalate	13000	U
86-73-7	Fluorene	4200	J
7005-72-3	4-Chlorophenyl-phenylether	13000	U
100-01-6	4-Nitroaniline	33000	U
534-52-1	4,6-Dinitro-2-methylphenol	33000	Ū
86-30-6	N-nitrosodiphenylamine (1)	13000	Ŭ
101-55-3	4-Bromophenyl-phenylether	13000	U
118-74-1	Hexachlorobenzene	13000	U
1912-24-9	Atrazine	13000	U
87-86-5	Pentachlorophenol	33000	U
85-01-8	Phenanthrene	24000	
120-12-7	Anthracene	5800	J
86-74-8	Carbazole	13000	Ū
84-74-2	Di-n-butylphthalate	13000	U
206-44-0	Fluoranthene	5100	J
129-00-0	Pyrene	27000	
85-68-7	Butylbenzylphthalate	13000	U
91-94-1	3,3'-Dichlorobenzidine	13000	U
56-55-3	Benzo (a) anthracene	5300	J
218-01-9	Chrysene	7400	J
117-81-7	bis(2-Ethylhexyl)phthalate	5000	J
117-84-0	Di-n-octylphthalate	13000	Ŭ
205-99-2	Benzo(b) fluoranthene	3200	J
207-08-9	Benzo(k)fluoranthene	2900	J
50-32-8	Benzo(a)pyrene	3800	J
193-39-5	Indeno (1, 2, 3-cd) pyrene	13000	U
53-70-3	Dibenzo(a,h)anthracene	13000	U
191-24-2	Benzo(g,h,i)perylene	3900	J

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0091 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-13

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: K8416

Level: (low/med) MED

Date Received: 05/07/04

% Moisture: 31 Decanted: (Y/N) Y Date Extracted: 05/14/04

Concentrated Extract Volume: 500 (uL)

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) SONC

Date Analyzed: 05/20/04

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT ======	EST. CONC.	Q =====
1. 2471-83-2	1H-INDENE, 1-ETHYLIDENE-	6.47	11000	NJ
2. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	7.06	14000	NJ
3. 575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	7.16	13000	NJ
4. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	7.64	. 8300	NJ
5. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	7.76	10000	NJ
6. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	7.79	10000	NJ
7.	UNKNOWN PAH	8.60	7700	J
8. 1730-37-6	9H-FLUORENE, 1-METHYL-	8.65		
9.	UNKNOWN	8.76	8900	
10.	UNKNOWN	8.86	6600	J
11.	UNKNOWN AROMATIC COMPOUND	9.06	9000	J
12.	UNKNOWN PAH	9.08	6900	J
13.	UNKNOWN	9.12	8900	J
14. 4612-63-9	9H-FLUORENE, 2,3-DIMETHYL-	9.18	11000	NJ
15.	UNKNOWN	9.24	16000	J .
16. 832-69-9	PHENANTHRENE, 1-METHYL-	9.38	21000	NJ
17. 613-12-7	ANTHRACENE, 2-METHYL-	9.40	28000	NJ
18.	UNKNOWN PAH	9.74	16000	i
19. 1576-67-6	PHENANTHRENE, 3,6-DIMETHYL-	9.77	11000	NJ
20. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	9.84	26000	NJ
21.	UNKNOWN PAH	9.86	12000	J
22.	UNKNOWN	10.11	11000	J
23.	UNKNOWN PAH	10.20	13000	J
24.	UNKNOWN PAH	10.42	9900	J
25.	UNKNOWN PAH	10.50	11000	J
26.	UNKNOWN PAH	10.58	10000	J
27. 2381-21-7	PYRENE, 1-METHYL-	10.61	8600	NJ
28.	UNKNOWN PAH	11.48	9600	J
29.	UNKNOWN	11.62	8300	J
30.	UNKNOWN	11.70	9600	J

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

E0092

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-14

Sample wt/vol: 1.4(g/mL) G

Lab File ID: JL252

Level: (low/med) MED

Date Received: 05/07/04

% Moisture: 38 Decanted: (Y/N)N

Date Extracted: 05/13/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.7

Extraction: (Type) SONC

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	120000	U
108-95-2	Phenol	120000	1 11
111-44-4	bis(2-Chloroethyl)Ether	120000	Ū
95-57-8	2-Chlorophenol	120000	T U
95-48-7	2-Methylphenol	120000	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	120000	Ū
98-86-2	Acetophenone	120000	Ū
106-44-5	4-Methylphenol	120000	Ū
621-64-7	N-Nitroso-di-n-propylamine	120000	Ū
67-72-1	Hexachloroethane	120000	U
98-95-3	Nitrobenzene	120000	U
78-59-1	Isophorone	120000	U
88-75-5	2-Nitrophenol	120000	U
105-67-9	2,4-Dimethylphenol	120000	U
111-91-1	bis(2-Chloroethoxy)methane	120000	Ū
120-83-2	2,4-Dichlorophenol	120000	Ū
91-20-3	Naphthalene	120000	U
106-47-8	4-Chloroaniline	120000	U
87-68-3	Hexachlorobutadiene	120000	Ū
105-60-2	Caprolactam	120000	Ū
59-50-7	4-Chloro-3-Methylphenol	120000	Ū
91-57-6	2-Methylnaphthalene	35000	J
77-47-4	Hexachlorocyclopentadiene *	120000	U
88-06-2	2,4,6-Trichlorophenol	120000	Ū
95-95-4	2,4,5-Trichlorophenol	290000	Ū
92-52-4	1,1'-Biphenyl	120000	Ū
91-58-7	2-Chloronaphthalene	120000	Ū
88-74-4	2-Nitroaniline	. 290000	Ū
131-11-3	Dimethylphthalate	120000	U
606-20-2	2,6-Dinitrotoluene	120000	Ū
208-96-8	Acenaphthylene	120000	Ū
99-09-2	3-Nitroaniline	290000	Ū
83-32-9	Acenaphthene	15000	J

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

E0092

Lab Code: CEIMIC Case No.: 32839

SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-14

Sample wt/vol:

1.4(g/mL) G

Lab File ID: JL252

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 38

Decanted: (Y/N)N

Date Extracted: 05/13/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y

pH: 6.7

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

			_ ~
51-28-5	2,4-Dinitrophenol	290000	T Ü
100-02-7	4-Nitrophenol	290000	T U
132-64-9	Dibenzofuran	120000	† <del>Ŭ</del>
121-14-2	2,4-Dinitrotoluene	120000	T U
84-66-2	Diethylphthalate	120000	Ū
86-73-7	Fluorene	29000	J
7005-72-3	4-Chlorophenyl-phenylether	120000	Ū
100-01-6	4-Nitroaniline	290000	Ū
534-52-1	4,6-Dinitro-2-methylphenol	290000	Ū
86-30-6	N-nitrosodiphenylamine (1)	120000	U
101-55-3	4-Bromophenyl-phenylether	120000	U .
118-74-1	Hexachlorobenzene	120000	Ū
1912-24-9	Atrazine	120000	U
87-86-5	Pentachlorophenol	290000	Ū
85-01-8	Phenanthrene	110000	J
120-12-7	Anthracene	23000	J
86-74-8	Carbazole	120000	Ū
84-74-2	Di-n-butylphthalate	120000	Ū
206-44-0	Fluoranthene	16000	J
129-00-0	Pyrene	74000	J
85-68-7	Butylbenzylphthalate	120000	Ū
91-94-1	3,3'-Dichlorobenzidine	120000	Ū
56-55-3	Benzo (a) anthracene	21000	J
218-01-9	Chrysene	34000	J
117-81-7	bis(2-Ethylhexyl)phthalate	120000	Ū
117-84-0	Di-n-octylphthalate	120000	Ū
205-99-2	Benzo(b) fluoranthene	120000	U
207-08-9	Benzo(k)fluoranthene	120000	<del>- U</del>
50-32-8	Benzo (a) pyrene	13000	J
193-39-5	Indeno (1, 2, 3-cd) pyrene	120000	U U
53-70-3	Dibenzo (a, h) anthracene	120000	_
191-24-2	Benzo (g, h, i) perylene	12000	U
	15, 11, 11, 11, 11, 11, 11, 11, 11, 11,	1/000	1.1

^{(1) -} Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0092

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-14

Sample wt/vol:

1.4 (g/mL) G

Lab File ID: JL252

30.

Level: (low/med)

MED

Date Received: 05/07/04

% Moisture: 38 Decanted: (Y/N) N

Date Extracted:05/13/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y

pH: 6.7

Extraction: (Type) SONC

(ug/L or ug/Kg) ug/Kg

CONCENTRATION UNITS:

19.86

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
		=======	==========	=====
1. 90-12-0	NAPHTHALENE, 1-METHYL-	8.79	120000	
2. 939-27-5	NAPHTHALENE, 2-ETHYL-	9.38		
3. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	9.46		
4. 575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	9.58	210000	NJ
5. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	9.73	78000	NJ
6. 939-27-5	NAPHTHALENE, 2-ETHYL-	9.86	37000	NJ
7. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	10.15	52000	NJ
8. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	10.30	73000	NJ
9. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	10.46	96000	NJ
10. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	10.56	89000	NJ
11.	UNKNOWN AROMATIC COMPOUND	10.89	55000	J
12. 529-05-5	AZULENE, 7-ETHYL-1,4-DIMETHY	11.16	29000	NJ
13.	UNKNOWN PAH	11.40	67000	J
14.	UNKNOWN	11.94	33000	J
15. 610-48-0	ANTHRACENE, 1-METHYL-	12.30	40000	
16. 832-64-4	PHENANTHRENE, 4-METHYL-	12.34	51000	NJ
17. 613-12-7	ANTHRACENE, 2-METHYL-	12.42	95000	NJ
18.	UNKNOWN	12.64	40000	
19. 52251-71-5	ANTHRACENE, 2-ETHYL-	12.74	31000	
20. 1576-67-6	PHENANTHRENE, 3,6-DIMETHYL-	12.77	47000	
21. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	12.85	130000	
22. 3674-73-5	PHENANTHRENE, 2,3,5-TRIMETHY	13.28	33000	
23.	UNKNOWN PAH	13.57	54000	
24. 3442-78-2	PYRENE, 2-METHYL-	13.70	58000	
25.	UNKNOWN	14.11	44000	
26. 64401-21-4	PYRENE, 1,3-DIMETHYL-	14.28	39000	
27.	UNKNOWN	14.75	68000	-
28.	UNKNOWN PAH	15.17	43000	
29	UNKNOWN	18.15	91000	- 1
			21000	_

FORM I SV-TIC

UNKNOWN

OLM04.3

52000 J

#### 1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0093

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-15

Sample wt/vol: 1.5(g/mL) G

Lab File ID: K8417

Level: (low/med) MED

Date Received: 05/07/04

% Moisture: 30 Decanted: (Y/N)Y

Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6

208-96-8

99-09-2

83-32-9

Acenaphthylene

3-Nitroaniline

Acenaphthene

Extraction: (Type) SONC

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

1		10000	1
100-52-7	Benzaldehyde	10000	U
108-95-2	Phenol	10000	U
111-44-4	bis(2-Chloroethyl)Ether	10000	U
95-57-8	2-Chlorophenol	10000	U
95-48-7	2-Methylphenol	10000	Ŭ
108-60-1	2,2'-oxybis(1-Chloropropane)	10000	Ū
98-86-2	Acetophenone	10000	U
106-44-5	4-Methylphenol	10000	U
621-64-7	N-Nitroso-di-n-propylamine	10000	U
67-72-1	Hexachloroethane	10000	Ū
98-95-3	Nitrobenzene	10000	Ū
78-59-1	Isophorone	10000	Ū
88-75-5	2-Nitrophenol	10000	Ū
105-67-9	2,4-Dimethylphenol	10000	U
111-91-1	bis(2-Chloroethoxy)methane	10000	· U
120-83-2	2,4-Dichlorophenol	10000	Ū
91-20-3	Naphthalene	10000	Ū
106-47-8	4-Chloroaniline	10000	Ū
87-68-3	Hexachlorobutadiene	10000	Ū
105-60-2	Caprolactam	10000	Ū
59-50-7	4-Chloro-3-Methylphenol	10000	U
91-57-6	2-Methylnaphthalene	10000	Ū ·
77-47-4	Hexachlorocyclopentadiene	10000	U
88-06-2	2,4,6-Trichlorophenol	10000	U
95-95-4	2,4,5-Trichlorophenol	25000	Ū
92-52-4	1,1'-Biphenyl	10000	Ū
91-58-7	2-Chloronaphthalene	10000	U
88-74-4	2-Nitroaniline	25000	Ū
131-11-3	Dimethylphthalate	10000	Ū
606-20-2	2,6-Dinitrotoluene	10000	Ū

10000

25000

10000

#### 1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-15

Sample wt/vol: 1.5(g/mL) G Lab File ID: K8417

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 30 Decanted: (Y/N)Y Date Extracted: 05/14/04

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6 Extraction: (Type) SONC

CAS NO. COMPOUND CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

		(45) = 41 45) 15) 30/116	~
51-28-5	2,4-Dinitrophenol	25000	Ū
100-02-7	4-Nitrophenol	25000	Ū
132-64-9	Dibenzofuran	10000	Ū
121-14-2	2,4-Dinitrotoluene	10000	U.
84-66-2	Diethylphthalate	10000	U
86-73-7	Fluorene	10000	U
7005-72-3	4-Chlorophenyl-phenylether	10000	U .
100-01-6	4-Nitroaniline	25000	U
534-52-1	4,6-Dinitro-2-methylphenol	250.00	U
86-30-6	N-nitrosodiphenylamine (1)	10000	U
101-55-3	4-Bromophenyl-phenylether	10000	U
118-74-1	Hexachlorobenzene	10000	U
1912-24-9	Atrazine	10000	U
87-86-5	Pentachlorophenol	25000	U
85-01-8	Phenanthrene	2000	J
120-12-7	Anthracene	10000	Ū
86-74-8	Carbazole	10000	U
84-74-2	Di-n-butylphthalate	10000	Ū
206-44-0	Fluoranthene	10000	U
129-00-0	Pyrene	10000	U
85-68-7	Butylbenzylphthalate	10000	U.
91-94-1	3,3'-Dichlorobenzidine	10000	U
56-55-3	Benzo (a) anthracene	10000	Ū
218-01-9	Chrysene	10000	U
117-81-7	bis(2-Ethylhexyl)phthalate	10000	U
117-84-0	Di-n-octylphthalate	10000	U
205-99-2	Benzo(b)fluoranthene	10000	U
207-08-9	Benzo(k)fluoranthene	10000	U
50-32-8	Benzo (a) pyrene	10000	U
193-39-5	Indeno (1,2,3-cd) pyrene	10000	U
53-70-3	Dibenzo(a,h) anthracene	10000	U
191-24-2	Benzo(g,h,i)perylene	10000	U

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract: 68-W-03-018 Lab Name: CEIMIC CORP

E0093

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-15

Sample wt/vol: 1.5 (g/mL) G

Lab File ID: K8417

Level: (low/med) MED

Date Received: 05/07/04

% Moisture: 30 Decanted: (Y/N) Y Date Extracted:05/14/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 3658-80-8	TRISULFIDE, DIMETHYL	4.48	3800	1
2.	UNKNOWN	5.93	2700	
3.	UNKNOWN	6.33	2500	J
4.	UNKNOWN	. 6.64	2200	J
5.	UNKNOWN	8.37	2100	J
6.	UNKNOWN	8.46	2400	
7.	UNKNOWN	9.23	2500	J
8.	UNKNOWN ALCOHOL/ALKENE	9.30	4200	J
9.	UNKNOWN	9.65	4500	J
10.	UNKNOWN	9.82	2500	J
11.	UNKNOWN	9.95	2600	
12.	UNKNOWN	11.04	3000	JB1/
13.	UNKNOWN	11.72	2800	J
14.	UNKNOWN	12.10	3400	J
15.	UNKNOWN	13.36	3000	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.			-	
30.				

E0094

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-16

Sample wt/vol: 30.2(g/mL) G

Lab File ID: JL249

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 37 Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

GPC Cleanup: (Y/N) Y pH: 5.6

Dilution Factor: 2.0

Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

		(43, 4 4, 43, 43, 36, 16	- ~
100-52-7	Benzaldehyde	230	J
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)Ether	1000	U
95-57-8	2-Chlorophenol	1000	Ū
95-48-7	2-Methylphenol	1000	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	1000	U
98-86-2	Acetophenone	1000	Ū
106-44-5	4-Methylphenol	180	J
621-64-7	N-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	Ū
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	Ū
111-91-1	bis(2-Chloroethoxy)methane	1000	Ū
120-83-2	2,4-Dichlorophenol	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
105-60-2	Caprolactam	1000	U
59-50-7	4-Chloro-3-Methylphenol	1000	Ū
91-57-6	2-Methylnaphthalene	1000	Ū
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	2600	U
92-52-4	1,1'-Biphenyl	1000	U.
91-58-7	2-Chloronaphthalene	1000	Ū
88-74-4	2-Nitroaniline	2600	U
131-11-3	Dimethylphthalate	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
208-96-8	Acenaphthylene	1000	Ŭ.
99-09-2	3-Nitroaniline	2600	U
83-32-9	Acenaphthene	1000	U

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0094

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-16

Sample wt/vol:

30.2(g/mL) G

Lab File ID: JL249

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 37

Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 5.6

Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

•			_
51-28-5	2,4-Dinitrophenol	2600	U
100-02-7	4-Nitrophenol	2600	U
132-64-9	Dibenzofuran	150	J
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	Ū
86-73-7	Fluorene	1000	Ū
7005-72-3	4-Chlorophenyl-phenylether	1000	Ū
100-01-6	4-Nitroaniline	2600	Ū
534-52-1	4,6-Dinitro-2-methylphenol	2600	Ū
86-30-6	N-nitrosodiphenylamine (1)	1000	U .
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	Ū
1912-24-9	Atrazine	1000	Ŭ ·
87-86-5	Pentachlorophenol	2600	U
85-01-8	Phenanthrene	950	J
120-12-7	Anthracene	1000	U
86-74-8	Carbazole	1000	U .
84-74-2	Di-n-butylphthalate	1000	U
206-44-0	Fluoranthene	350	J
129-00-0	Pyrene	280	J
85-68-7	Butylbenzylphthalate	1000	U
91-94-1	3,3'-Dichlorobenzidinė	1000	Ū
56-55-3	Benzo(a)anthracene	130	J
218-01-9	Chrysene	240	J
117-81-7	bis(2-Ethylhexyl)phthalate	1000	U
117-84-0	Di-n-octylphthalate	1000	Ū
205-99-2	Benzo(b)fluoranthene	1000	Ū
207-08-9	Benzo(k)fluoranthene	1000	U
50-32-8	Benzo(a)pyrene	1000	Ŭ .
193-39-5	Indeno(1,2,3-cd)pyrene	1000	Ū
53-70-3	Dibenzo(a,h)anthracene	1000	Ū
191-24-2	Benzo(g,h,i)perylene	1000	Ū

(1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

E0094

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-16

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: JL249

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 37 Decanted: (Y/N) N

Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 5.6

Extraction: (Type) SONC

CONCENTRATION UNITS:

Number TICs found: 22 (ug/L or ug/Kg) ug/Kg

				-
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=======================================	=======	_=========	=====
1. 575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	9.73	740	
2. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	10.57	740	NJ
3.	UNKNOWN	10.92	690	J
4. 13150-81-7	2,6-DIMETHYLDECANE	11.58	1000	NJ
5.	UNKNOWN	12.04	380	J
6. 779-02-2	ANTHRACENE, 9-METHYL-	12.42	1200	NJ
7. 35465-71-5	2-PHENYLNAPHTHALENE	12.57	460	NJ
8.	UNKNOWN	12.63	370	J
9.	UNKNOWN	15.27	450	J
10.	UNKNOWN	15.68	800	J
11.	UNKNOWN KETONE	16.13	590	J
12.	UNKNOWN	16.24	640	J
13.	UNKNOWN	17.60	1500	J
14.	UNKNOWN PAH	19.15	1200	J
15.	UNKNOWN	19.46	1200	J
16.	UNKNOWN	19.65	1100	J
17. 14021-23-9	D-FRIEDOOLEAN-14-ENE, 3-METH	20.22	30000	NJ
18.	UNKNOWN PAH	20.49	9100	J
19.	UNKNOWN	22.28	760	J
20. 16595-80-5	LEVAMISOLE HYDROCHLORIDE	22.72	580	NJ
21. 604-39-7	ANDROST-4-EN-3-ONE, 17-HYDRO	22.87	1300	NJ
22. 0-00-0	PYRROLIDIN-5-ONE, 2,3-DEDIHY	23.39	500	NJ
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				<del></del>
1	1	<u>.</u>		!

FORM I SV-TIC

#### 1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0095

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-17

Sample wt/vol:

30.2(g/mL) G

Lab File ID: JL250

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 29

Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	460	U
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)Ether	460	U
95-57-8	2-Chlorophenol	460	Ū
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
98-86-2	Acetophenone	460	U .
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	Ŭ
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	Ū
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	Ū
91-20-3	Naphthalene	460	Ū
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
105-60-2	Caprolactam	460	U
59-50-7	4-Chloro-3-Methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U.
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	460	U
91-58-7	2-Chloronaphthalene	460	Ū
88-74-4	2-Nitroaniline	1200	Ū
131-11-3	Dimethylphthalate	460	U
606-20-2	2,6-Dinitrotoluene	460	U
208-96-8	Acenaphthylene	460	Ū
99-09-2	3-Nitroaniline	1200	Ū
83-32-9	Acenaphthene	200	J

#### 1 D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-17

Sample wt/vol: 30.2(g/mL) G Lab File ID: JL250

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 29 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

CAS NO. COMPOUND CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

			<del></del>
51-28-5	2,4-Dinitrophenol	1200	Ū
1.00-02-7	4-Nitrophenol	1200	Ū
132-64-9	Dibenzofuran	79	J
121-14-2	2,4-Dinitrotoluene	460	Ū
84-66-2	Diethylphthalate	460	Ū
86-73-7	Fluorene	170	J
7005-72-3	4-Chlorophenyl-phenylether	460	U
100-01-6	4-Nitroaniline	1200	Ū
534-52-1	4,6-Dinitro-2-methylphenol	1200	Ū
86-30-6	N-nitrosodiphenylamine (1)	460	Ū
101-55-3	4-Bromophenyl-phenylether	460	Ū
118-74-1	Hexachlorobenzene	460	U
1912-24-9	Atrazine	460	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	2000	
120-12-7	Anthracene	400	J
86-74-8	Carbazole	330	J
84-74-2	Di-n-butylphthalate	460	Ū
206-44-0	Fluoranthene	3500	
129-00-0	Pyrene	3300	
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo (a) anthracene	1700	
218-01-9	Chrysene	2100	
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	460	Ū
205-99-2	Benzo (b) fluoranthene	2000	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	1800	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	
53-70-3	Dibenzo (a, h) anthracene	540	
191-24-2	Benzo(g,h,i)perylene	1600	

(1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract: 68-W-03-018 Lab Name: CEIMIC CORP

E0095

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-17

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: JL250

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 29 Decanted: (Y/N) N Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 29

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1.	UNKNOWN	6.09	410	J
2. 1210-12-4	9-ANTHRACENECARBONITRILE	13.40	230	NJ
3. 2381-21-7	PYRENE, 1-METHYL-	13.45	200	NJ
4. 238-84-6	11H-BENZO[A] FLUORENE	13.57	280	NJ
5.	UNKNOWN PAH	13.69	210	J
6. 239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	14.29	340	NJ
7.	UNKNOWN PAH	14.78	240	J
8.	UNKNOWN AROMATIC COMPOUND	14.91	340	J
9.	UNKNOWN PAH	15.23	240	J
10. 1090-13-7	5,12-NAPHTHACENEDIONE	15.70	390	
11.	UNKNOWN AROMATIC COMPOUND	16.05	790	J
12.	UNKNOWN	16.25	600	J
13. 50-32-8	BENZO [A] PYRENE	16.54	900	NJ
14.	UNKNOWN	16.70	360	J ·
15.	UNKNOWN	16.78	340	J
16. 205-82-3	BENZO [J] FLUORANTHENE	16.90	3500	
17. 198-55-0	PERYLENE	17.19	,	NJ
18.	UNKNOWN	18.20	680	J
19. 53-70-3	DIBENZ[A,H]ANTHRACENE	19.49	530	NJ
20. 193-39-5	INDENO[1,2,3-CD]PYRENE	19.64	910	NJ
21. 14021-23-9	D-FRIEDOOLEAN-14-ENE, 3-METH	20.23		NJ
22. 215-58-7	BENZO[B]TRIPHENYLENE	20.34	330	I
23.	UNKNOWN	20.50	3100	J
24. 193-39-5	INDENO[1,2,3-CD]PYRENE	21.22	1600	NJ
25.	UNKNOWN	21.65	790	J
26.	UNKNOWN	21.92	880	J
27.	UNKNOWN	22.31	490	J
28.	UNKNOWN PAH	22.73	1700	J
29.	UNKNOWN	23.49	310	J
30.				

FORM I SV-TIC

OLM04.3

#### 1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

E0096

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-18

Sample wt/vol: 30.5(g/mL) G

Lab File ID: JL251

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 35 Decanted: (Y/N)N

Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	98	J
108-95-2	Phenol	500	U
$\frac{100 \ 33 \ 2}{111 - 44 - 4}$	bis(2-Chloroethyl)Ether	500	$+\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{$
95-57-8	2-Chlorophenol	500	Ü
95-48-7	2-Methylphenol	500	11
108-60-1	2,2'-oxybis(1-Chloropropane)	500	Ū
98-86-2	Acetophenone	500	Ŭ
106-44-5	4-Methylphenol	500	Ū
621-64-7	N-Nitroso-di-n-propylamine	500	Ū
67-72-1	Hexachloroethane	500	Ū
98-95-3	Nitrobenzene	500	Ū
78-59-1	Isophorone	500	Ū
88-75-5	2-Nitrophenol	500	Ū
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)methane	500	Ū
120-83-2	2,4-Dichlorophenol	500	Ū
91-20-3	Naphthalene	500	Ū
106-47-8	4-Chloroaniline	500	Ū
87-68-3	Hexachlorobutadiene	500	U
105-60-2	Caprolactam	500	Ū
59-50-7	4-Chloro-3-Methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
95-95-4	2,4,5-Trichlorophenol	1300	Ū
92-52-4	1,1'-Biphenyl	500	Ū
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	1300	Ū
131-11-3	Dimethylphthalate	500	Ū
606-20-2	2,6-Dinitrotoluene	500	Ū
208-96-8	Acenaphthylene	500	U.
99-09-2	3-Nitroaniline	1300	Ū
83-32-9	Acenaphthene	500	U

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0096

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-18

Sample wt/vol:

Lab File ID: JL251

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 35 Decanted: (Y/N)N

30.5(g/mL) G

Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO.

COMPOUND

CONCENTRATION UNITS: (uq/L or ug/Kg) UG/KG Q

51-28-5 2,4-Dinitrophenol 1300 Ū 1300 100-02-7 4-Nitrophenol Ū 132-64-9 Dibenzofuran 500 Ū 121-14-2 2,4-Dinitrotoluene 500 Ū 84-66-2 Diethylphthalate 500 Ū 86-73-7 7005-72-3 Fluorene 500 Ū 4-Chlorophenyl-phenylether 500 Ū 100-01-6 4-Nitroaniline 1300 4,6-Dinitro-2-methylphenol 534-52-1 1300 U 86-30-6 N-nitrosodiphenylamine (1) 500 U 101-55-3 4-Bromophenyl-phenylether 500 U Hexachlorobenzene 500 118-74-1 Ū Atrazine 1912-24-9 500 Ū 87-86-5 Pentachlorophenol 1300 Ū 85-01-8 Phenanthrene 500 IJ 120-12-7 Anthracene 500 Ū 86-74-8 84-74-2 500 Carbazole Ū Di-n-butylphthalate 500 Ū 206-44-0 Fluoranthene 500 Ū Pyrene 129-00-0 500 Ū 85-68-7 Butylbenzylphthalate 500 Ū 3,3'-Dichlorobenzidine 500 91-94-1 Ū 56-55-3 Benzo (a) anthracene 500 Ħ 218-01-9 Chrysene 500 IJ bis(2-Ethylhexyl)phthalate 117-81-7 89 Di-n-octylphthalate Benzo(b)fluoranthene 117-84-0 500 205-99-2 500 IJ 207-08-9 Benzo(k)fluoranthene Ū 500 Benzo(a)pyrene 50-32-8 500 Ū Indeno(1,2,3-cd)pyrene 193-39-5 500 Dibenzo(a,h)anthracene 53-70-3 500 191-24-2 Benzo(g,h,i)perylene 500

(1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

E0096

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-18

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: JL251

Level: (low/med) LOW

Date Received: 05/07/04

% Moisture: 35 Decanted: (Y/N) N

Date Extracted:05/10/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Extraction: (Type) SONC

(ug/L or ug/Kg) ug/Kg

CONCENTRATION UNITS:

Number TICs found: 30

ÇAS NUMBER	COMPOUND NAME	RT	EST. CONC. Q
1.	UNKNOWN	6.09	400 J
2. 112-34-5	ETHANOL, 2-(2-BUTOXYETHOXY)-	7.58	230 NJ
3. 1074-89-1	1H-PURINE, 6-METHOXY-	11.28	260 NJ
4.	UNKNOWN .	12.22	370 J
5.	UNKNOWN	13.26	110 J
6. 638-66-4	OCTADECANAL	13.90	130 NJ
7.	UNKNOWN	14.28	150 J
8. 629-66-3	2-NONADECANONE	15.06	310 NJ
9.	UNKNOWN ALCOHOL/ALKENE	15.31	170 J
10.	UNKNOWN	15.57	190 J
11.	UNKNOWN ALCOHOL/ALKENE	15.72	300 J
12.	UNKNOWN KETONE	16.16	280 J
13.	UNKNOWN KETONE	16.85	110 J
14.	UNKNOWN KETONE	17.64	260 J
15.	UNKNOWN	18.02	100 J
16.	UNKNOWN	18.23	580 J
17.	UNKNOWN	18.36	130 J
18.	UNKNOWN	18.66	180 J
19.	UNKNOWN	18.82	100 J
20.	UNKNOWN	19.63	480 J
21. 14021-23-9	D-FRIEDOOLEAN-14-ENE, 3-METH	20.23	6800 NJ
22.	UNKNOWN	20.52	3200 J
23.	UNKNOWN	20.94	170 J
24.	UNKNOWN	21.14	200 J
25.	UNKNOWN	21.25	570 J
26.	UNKNOWN	21.68	280 J
27.	UNKNOWN	22.30	190 J
28.	UNKNOWN	22.62	260 J
29.	UNKNOWN	22.75	330 J
30.	UNKNOWN	22.89	440 J

FORM I SV-TIC

OLM04.3

EFA SAMPLE NO.

E0097 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-19

Sample wt/vol:

Lab File ID: K8418

1.1(g/mL) G

Date Received: 05/07/04

Level: (low/med)

% Moisture: 35 Decanted: (Y/N)Y

Date Extracted: 05/14/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/21/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	14000	U
108-95-2	Phenol	14000	Ü
111-44-4	bis(2-Chloroethyl)Ether	14000	U
95-57-8	2-Chlorophenol	14000	U
95-48-7	2-Methylphenol	14000	U .
108-60-1	2,2'-oxybis(1-Chloropropane)	14000	Ú
98-86-2	Acetophenone	14000	U
106-44-5	4-Methylphenol	14000	U
621-64-7	N-Nitroso-di-n-propylamine	14000	U
67-72-1	Hexachloroethane	14000	U
98-95-3	Nitrobenzene	14000	U
78-59-1	Isophorone	14000	U
88-75-5	2-Nitrophenol	14000	U
105-67-9	2,4-Dimethylphenol	14000	U
111-91-1	bis(2-Chloroethoxy)methane	14000	Ū
120-83-2	2,4-Dichlorophenol	14000	U
91-20-3	Naphthalene	14000	U
106-47-8	4-Chloroaniline	14000	U
87-68-3	Hexachlorobutadiene	14000	Ū
105-60-2	Caprolactam	14000	U
59-50-7	4-Chloro-3-Methylphenol	14000	U
91-57-6	2-Methylnaphthalene	14000	U
77-47-4	Hexachlorocyclopentadiene	14000	U
88-06-2	2,4,6-Trichlorophenol	14000	U
95-95-4	2,4,5-Trichlorophenol	35000	U
92-52-4	1,1'-Biphenyl	14000	U
91-58-7	2-Chloronaphthalene	14000	U
88-74-4	2-Nitroaniline	. 35000	Ū
131-11-3	Dimethylphthalate	14000	U
606-20-2	2,6-Dinitrotoluene	14000	U
208-96-8	Acenaphthylene	14000	Ŭ
99-09-2	3-Nitroaniline	35000	Ū
83-32-9	Acenaphthene	14000	U

EPA SAMPLE NO.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0097

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

SDG No.: E0074 Lab Code: CEIMIC Case No.: 32839 SAS No.:

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-19

Sample wt/vol:

1.1(g/mL) G

Lab File ID: K8418

Level:

(low/med)

Date Received: 05/07/04

% Moisture: 35

Decanted: (Y/N)Y

Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/21/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.9

Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG Q

100-02-7    4-Nitrophenol   35000   U     132-64-9			25000	T T
132-64-9   Dibenzofuran   14000   U	51-28-5	2,4-Dinitrophenol	35000	U
121-14-2		4-Nitrophenol		
121				
86-73-7 Fluorene 14000 U 7005-72-3 4-Chlorophenyl-phenylether 14000 U 100-01-6 4-Nitroaniline 35000 U 534-52-1 4,6-Dinitro-2-methylphenol 35000 U 86-30-6 N-nitrosodiphenylamine (1) 14000 U 101-55-3 4-Bromophenyl-phenylether 14000 U 118-74-1 Hexachlorobenzene 14000 U 87-86-5 Pentachlorophenol 35000 U 87-86-5 Pentachlorophenol 35000 U 85-01-8 Phenanthrene 1500 J 120-12-7 Anthracene 14000 U 86-74-8 Carbazole 14000 U 84-74-2 Di-n-butylphthalate 14000 U 206-44-0 Fluoranthene 3600 J 129-00-0 Pyrene 6100 J 85-68-7 Butylbenzylphthalate 14000 U 91-94-1 3,3'-Dichlorobenzidine 14000 U 91-94-1 3,3'-Dichlorobenzidine 14000 U 217-84-0 Chrysene 3900 J 218-01-9 Chrysene 3900 J 218-01-9 Chrysene 3900 J 217-84-0 Di-n-octylphthalate 14000 U 205-99-2 Benzo(a) fluoranthene 2000 J 207-08-9 Benzo(b) fluoranthene 2000 J 207-08-9 Benzo(b) fluoranthene 2000 J 207-08-9 Benzo(b) fluoranthene 2000 J 207-08-9 Benzo(b) fluoranthene 2000 J 2193-39-5 Indeno(1,2,3-cd) pyrene 14000 U 53-70-3 Dibenzo(a,h) anthracene 14000 U 53-70-3 Dibenzo(a,h) anthracene 14000 U 53-70-3 Dibenzo(a,h) anthracene 14000 U 53-70-3 Dibenzo(a,h) anthracene 14000 U	121-14-2			
Toology	84-66-2	Diethylphthalate	14000	_
100-01-6	86-73-7	Fluorene	14000	_
10	7005-72-3	4-Chlorophenyl-phenylether	14000	-
86-30-6       N-nitrosodiphenylamine (1)       14000       U         101-55-3       4-Bromophenyl-phenylether       14000       U         118-74-1       Hexachlorobenzene       14000       U         1912-24-9       Atrazine       14000       U         87-86-5       Pentachlorophenol       35000       U         85-01-8       Phenanthrene       1500       J         120-12-7       Anthracene       14000       U         86-74-8       Carbazole       14000       U         84-74-2       Di-n-butylphthalate       14000       U         206-44-0       Fluoranthene       3600       J         129-00-0       Pyrene       6100       J         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo (a) anthracene       3900       J         218-01-9       Chrysene       3900       J         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         17-84-0       Di-n-octylphthalate       14000       U         207-08-9       Benzo (k) fluoranthene       2000       J	100-01-6	4-Nitroaniline	35000	5
86-30-6       N-nitrosodiphenylamine (1)       14000       U         101-55-3       4-Bromophenyl-phenylether       14000       U         118-74-1       Hexachlorobenzene       14000       U         1912-24-9       Atrazine       14000       U         87-86-5       Pentachlorophenol       35000       U         85-01-8       Phenanthrene       1500       J         120-12-7       Anthracene       14000       U         86-74-8       Carbazole       14000       U         84-74-2       Di-n-butylphthalate       14000       U         206-44-0       Fluoranthene       3600       J         129-00-0       Pyrene       6100       J         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo(a) anthracene       2700       J         218-01-9       Chrysene       3900       J         117-81-7       bis(2-Ethylhexyl) phthalate       14000       U         205-99-2       Benzo (b) fluoranthene       2000       J         207-08-9       Benzo (k) fluoranthene       2000       J	534-52-1	4,6-Dinitro-2-methylphenol	35000	i
118-74-1   Hexachlorobenzene   14000   U   1912-24-9   Atrazine   14000   U   1912-24-9   Atrazine   14000   U   1912-24-9   Atrazine   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   1500   U   U   1500   U   U   1500   U   U   1500   U   U   1500   U   U   1500   U   U   1500   U   U   1500   U   U   1500   U   U   U   U   U   U   U   U   U	86-30-6			i –
118-74-1       Hexachlorobenzene       14000       U         1912-24-9       Atrazine       14000       U         87-86-5       Pentachlorophenol       35000       U         85-01-8       Phenanthrene       1500       J         120-12-7       Anthracene       14000       U         86-74-8       Carbazole       14000       U         84-74-2       Di-n-butylphthalate       14000       U         206-44-0       Fluoranthene       3600       J         129-00-0       Pyrene       6100       J         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo (a) anthracene       2700       J         218-01-9       Chrysene       3900       J         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         205-99-2       Benzo (b) fluoranthene       2000       J         207-08-9       Benzo (k) fluoranthene       2000       J         50-32-8       Benzo (a) pyrene       1900       J         193-39-5       Indeno (1, 2, 3-cd) pyrene       14000       U	101-55-3	4-Bromophenyl-phenylether	14000	U
87-86-5       Pentachlorophenol       35000       U         85-01-8       Phenanthrene       1500       J         120-12-7       Anthracene       14000       U         86-74-8       Carbazole       14000       U         84-74-2       Di-n-butylphthalate       14000       U         206-44-0       Fluoranthene       3600       J         129-00-0       Pyrene       6100       J         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo (a) anthracene       2700       J         218-01-9       Chrysene       3900       J         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo (b) fluoranthene       2000       J         207-08-9       Benzo (k) fluoranthene       2000       J         50-32-8       Benzo (a) pyrene       1900       J         193-39-5       Indeno (1, 2, 3-cd) pyrene       14000       U         53-70-3       Dibenzo (a, h) anthracene       14000       U	118-74-1	Hexachlorobenzene	14000	
SF-01-8   Phenanthrene   1500   J	1912-24-9	Atrazine	14000	
120-12-7       Anthracene       14000       U         86-74-8       Carbazole       14000       U         84-74-2       Di-n-butylphthalate       14000       U         206-44-0       Fluoranthene       3600       J         129-00-0       Pyrene       6100       J         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo(a) anthracene       2700       J         218-01-9       Chrysene       3900       J         117-81-7       bis(2-Ethylhexyl)phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo(b)fluoranthene       2000       J         207-08-9       Benzo(b)fluoranthene       2000       J         50-32-8       Benzo(a)pyrene       1900       J         193-39-5       Indeno(1,2,3-cd)pyrene       14000       U         53-70-3       Dibenzo(a,h) anthracene       14000       U	87-86-5	Pentachlorophenol	35000	
86-74-8       Carbazole       14000       U         84-74-2       Di-n-butylphthalate       14000       U         206-44-0       Fluoranthene       3600       J         129-00-0       Pyrene       6100       J         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo (a) anthracene       2700       J         218-01-9       Chrysene       3900       J         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo (b) fluoranthene       2000       J         207-08-9       Benzo (k) fluoranthene       2000       J         50-32-8       Benzo (a) pyrene       1900       J         193-39-5       Indeno (1, 2, 3-cd) pyrene       14000       U         53-70-3       Dibenzo (a, h) anthracene       14000       U	85-01-8	Phenanthrene	1500	J
84-74-2       Di-n-butylphthalate       14000       U         206-44-0       Fluoranthene       3600       J         129-00-0       Pyrene       6100       J         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo(a) anthracene       2700       J         218-01-9       Chrysene       3900       J         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo (b) fluoranthene       2000       J         207-08-9       Benzo (k) fluoranthene       2000       J         50-32-8       Benzo (a) pyrene       1900       J         193-39-5       Indeno (1,2,3-cd) pyrene       14000       U         53-70-3       Dibenzo (a, h) anthracene       14000       U	120-12-7	Anthracene	14000	
206-44-0       Fluoranthene       3600       J         129-00-0       Pyrene       6100       J         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo (a) anthracene       2700       J         218-01-9       Chrysene       3900       J         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo (b) fluoranthene       2000       J         207-08-9       Benzo (k) fluoranthene       2000       J         50-32-8       Benzo (a) pyrene       1900       J         193-39-5       Indeno (1, 2, 3-cd) pyrene       14000       U         53-70-3       Dibenzo (a, h) anthracene       14000       U	86-74-8	Carbazole	14000	
129-00-0       Pyrene       6100       J         85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo(a) anthracene       2700       J         218-01-9       Chrysene       3900       J         117-81-7       bis(2-Ethylhexyl)phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo(b) fluoranthene       2000       J         207-08-9       Benzo(k) fluoranthene       2000       J         50-32-8       Benzo(a) pyrene       1900       J         193-39-5       Indeno(1,2,3-cd) pyrene       14000       U         53-70-3       Dibenzo(a,h) anthracene       14000       U	84-74-2	Di-n-butylphthalate	14000	U
85-68-7       Butylbenzylphthalate       14000       U         91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo(a) anthracene       2700       J         218-01-9       Chrysene       3900       J         117-81-7       bis(2-Ethylhexyl)phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo(b) fluoranthene       2000       J         207-08-9       Benzo(k) fluoranthene       2000       J         50-32-8       Benzo(a) pyrene       1900       J         193-39-5       Indeno(1,2,3-cd) pyrene       14000       U         53-70-3       Dibenzo(a,h) anthracene       14000       U	206-44-0	Fluoranthene	3600	J
91-94-1       3,3'-Dichlorobenzidine       14000       U         56-55-3       Benzo(a) anthracene       2700       J         218-01-9       Chrysene       3900       J         117-81-7       bis(2-Ethylhexyl)phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo(b) fluoranthene       2000       J         207-08-9       Benzo(k) fluoranthene       2000       J         50-32-8       Benzo(a) pyrene       1900       J         193-39-5       Indeno(1,2,3-cd) pyrene       14000       U         53-70-3       Dibenzo(a,h) anthracene       14000       U	129-00-0	Pyrene	6100	J
56-55-3       Benzo (a) anthracene       2700       J         218-01-9       Chrysene       3900       J         117-81-7       bis (2-Ethylhexyl) phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo (b) fluoranthene       2000       J         207-08-9       Benzo (k) fluoranthene       2000       J         50-32-8       Benzo (a) pyrene       1900       J         193-39-5       Indeno (1, 2, 3-cd) pyrene       14000       U         53-70-3       Dibenzo (a, h) anthracene       14000       U	85-68-7	Butylbenzylphthalate	14000	
218-01-9       Chrysene       3900       J         117-81-7       bis(2-Ethylhexyl)phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo(b) fluoranthene       2000       J         207-08-9       Benzo(k) fluoranthene       2000       J         50-32-8       Benzo(a) pyrene       1900       J         193-39-5       Indeno(1,2,3-cd) pyrene       14000       U         53-70-3       Dibenzo(a,h) anthracene       14000       U	91-94-1	3,3'-Dichlorobenzidine	14000	Ū
117-81-7       bis(2-Ethylhexyl)phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo(b)fluoranthene       2000       J         207-08-9       Benzo(k)fluoranthene       2000       J         50-32-8       Benzo(a)pyrene       1900       J         193-39-5       Indeno(1,2,3-cd)pyrene       14000       U         53-70-3       Dibenzo(a,h)anthracene       14000       U	56-55-3	Benzo(a)anthracene	2700	
117-81-7       bis(2-Ethylhexyl)phthalate       14000       U         117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo(b)fluoranthene       2000       J         207-08-9       Benzo(k)fluoranthene       2000       J         50-32-8       Benzo(a)pyrene       1900       J         193-39-5       Indeno(1,2,3-cd)pyrene       14000       U         53-70-3       Dibenzo(a,h)anthracene       14000       U	218-01-9	Chrysene		
117-84-0       Di-n-octylphthalate       14000       U         205-99-2       Benzo (b) fluoranthene       2000       J         207-08-9       Benzo (k) fluoranthene       2000       J         50-32-8       Benzo (a) pyrene       1900       J         193-39-5       Indeno (1, 2, 3-cd) pyrene       14000       U         53-70-3       Dibenzo (a, h) anthracene       14000       U	117-81-7		14000	U
205-99-2       Benzo (b) fluoranthene       2000       J         207-08-9       Benzo (k) fluoranthene       2000       J         50-32-8       Benzo (a) pyrene       1900       J         193-39-5       Indeno (1,2,3-cd) pyrene       14000       U         53-70-3       Dibenzo (a, h) anthracene       14000       U	117-84-0		14000	-
50-32-8         Benzo(a)pyrene         1900         J           193-39-5         Indeno(1,2,3-cd)pyrene         14000         U           53-70-3         Dibenzo(a,h)anthracene         14000         U	205-99-2		2000	
50-32-8         Benzo(a)pyrene         1900         J           193-39-5         Indeno(1,2,3-cd)pyrene         14000         U           53-70-3         Dibenzo(a,h)anthracene         14000         U	207-08-9	Benzo(k)fluoranthene	2000	
193-39-5       Indeno (1, 2, 3-cd) pyrene       14000       U         53-70-3       Dibenzo (a, h) anthracene       14000       U	50-32-8	Benzo(a)pyrene	1900	J
53-70-3 Dibenzo(a,h)anthracene 14000 U			14000	U
			14000	Ū
191-24-2 Benzo(q,h,i)perylene 14000 U	191-24-2		14000	Ū

(1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E0097

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-19

Lab File ID: K8418

Sample wt/vol: 1.1 (g/mL) G

Date Received: 05/07/04

Level: (low/med) MED

% Moisture: 35 Decanted: (Y/N) Y

Date Extracted:05/14/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/21/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
			=========	=====
1. 3658-80-8	TRISULFIDE, DIMETHYL	4.48	13000	NJ
2.	UNKNOWN	5.93	970.0	
3.	UNKNOWN	11.45		
4.	UNKNOWN AMIDE	11.72	8900	
5.	UNKNOWN	13.85	9000	J
6.				
7.				
8.				· · · · · ·
9.				
10.				
11.				
12.				
13.				
14.			,	
15.				
16.				
17.	·			
18.				
19.				
20.		,		_
21.				,
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKDH

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: S0506-B2D

Sample wt/vol: 30.0(g/mL) G

Lab File ID: DH284

Level: (low/med) LOW

Date Received: ____

% Moisture: ____ Decanted: (Y/N)___

Date Extracted: 05/06/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG Q

100 50 7	Dongoldohrdo	220	1 77
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	Ū
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	Ŭ
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	Ū
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	Ū
87-68-3	Hexachlorobutadiene	330	Ū
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	Ū
91-57-6	2-Methylnaphthalene	330	Ū
77-47-4	Hexachlorocyclopentadiene	330	Ū
88-06-2	2,4,6-Trichlorophenol	330	Ū
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	Ū
91-58-7	2-Chloronaphthalene	330	Ū
88-74-4	2-Nitroaniline	830	Ū
131-11-3	Dimethylphthalate	330	Ū
606-20-2	2,6-Dinitrotoluene	330	Ū
208-96-8	Acenaphthylene	330	Ū
99-09-2	3-Nitroaniline	830	Ū
83-32-9	Acenaphthene	330	Ū
	<u>-</u>		

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKDH Contract: 68-W-03-018

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: S0506-B2D

Sample wt/vol: 30.0(g/mL) G Lab File ID: DH284

Level: (low/med) LOW Date Received:

% Moisture: ____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

•			
51-28-5	2,4-Dinitrophenol	830	Ū
100-02-7	4-Nitrophenol	830	Ū
132-64-9	Dibenzofuran	330	Ū
121-14-2	2,4-Dinitrotoluene	330	Ū
84-66-2	Diethylphthalate	330	Ū
86-73-7	Fluorene	330	Ū
7005-72-3	4-Chlorophenyl-phenylether	330	Ū
100-01-6	4-Nitroaniline	830	U .
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U :
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	Ū
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	Ū
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	. 330	Ū
56-55-3	Benzo(a) anthracene	330	Ū
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	Ū
117-84-0	Di-n-octylphthalate	330	Ū
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	Ū
193-39-5	Indeno (1, 2, 3-cd) pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

^{(1) -} Cannot be separated from Diphenylamine

SBLKDH

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: S0506-B2D

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: DH284

Level: (low/med) LOW

Date Received: ____

% Moisture: _____ Decanted: (Y/N)___

Date Extracted:05/06/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) SONC

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) ug/Kg

ČAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.23	1.00	=====
2.	UNKNOWN	7.52	180 250	J.
3.	CIVITACAMIA	7.52	250	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				<del></del>
12.				<del></del>
13.				
14.				
15.				
16.				
17.				
18.				
19. 20.				
20.				
21.				
22.				
23.		-		
24.				
25.				·
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

OLM04.3

EPA SAMPLE NO.

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKDI Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: S0510-B3D

Sample wt/vol: 30.0(g/mL) G

Lab File ID: DH286

Level: (low/med) LOW

Date Received:

% Moisture: ____ Decanted: (Y/N)___

Date Extracted: 05/10/04

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	Ū
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	330	Ū
98-86-2	Acetophenone	330	Ū
106-44-5	4-Methylphenol	330	Ū
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	Ū
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	Ū
88-75-5	2-Nitrophenol	330	Ū
105-67-9	2,4-Dimethylphenol	.330	Ü
111-91-1	bis(2-Chloroethoxy)methane	330	Ū
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene Naphthalene	330	Ū
106-47-8	4-Chloroaniline	330	Ū
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	Ū
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	Ū
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	Ū
91-58-7	2-Chloronaphthalene	330	Ū
88-74-4	2-Nitroaniline	830	Ū
131-11-3	Dimethylphthalate	330	Ū
606-20-2	2,6-Dinitrotoluene	330	Ū
208-96-8	Acenaphthylene	330	Ū
99-09-2	3-Nitroaniline	830	Ū
83-32-9	Acenaphthene	330	Ū

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKDI Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: S0510-B3D

Sample wt/vol: 30.0(g/mL) G

Lab File ID: DH286

Level: (low/med) LOW

Date Received:

% Moisture: ____ Decanted: (Y/N)___

Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/18/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

51-28-5				
132-64-9	51-28-5	2,4-Dinitrophenol	830	U
121-14-2	1		. 830	Ū
84-66-2       Diethylphthalate       330       U         86-73-7       Fluorene       330       U         7005-72-3       4-Chlorophenyl-phenylether       330       U         100-01-6       4-Nitroaniline       830       U         534-52-1       4,6-Dinitro-2-methylphenol       830       U         86-30-6       N-nitrosodiphenylamine (1)       330       U         101-55-3       4-Bromophenyl-phenylether       330       U         118-74-1       Hexachlorobenzene       330       U         1912-24-9       Atrazine       330       U         87-86-5       Pentachlorophenol       830       U         85-01-8       Phenanthrene       330       U         120-12-7       Anthracene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         17-81-7		Dibenzofuran	330	
86-73-7       Fluorene       330       U         7005-72-3       4-Chlorophenyl-phenylether       330       U         100-01-6       4-Nitroaniline       830       U         534-52-1       4,6-Dinitro-2-methylphenol       830       U         86-30-6       N-nitrosodiphenylamine (1)       330       U         101-55-3       4-Bromophenyl-phenylether       330       U         118-74-1       Hexachlorobenzene       330       U         1912-24-9       Atrazine       330       U         87-86-5       Pentachlorophenol       830       U         85-01-8       Phenanthrene       330       U         120-12-7       Anthracene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         218-01-9       Chrysene       330       U         117-81-7       bi			330	Ū
7005-72-3	84-66-2	Diethylphthalate	330	
100-01-6	86-73-7	Fluorene	330	Ū
534-52-1       4,6-Dinitro-2-methylphenol       830       U         86-30-6       N-nitrosodiphenylamine (1)       330       U         101-55-3       4-Bromophenyl-phenylether       330       U         118-74-1       Hexachlorobenzene       330       U         1912-24-9       Atrazine       330       U         87-86-5       Pentachlorophenol       830       U         85-01-8       Phenanthrene       330       U         120-12-7       Anthracene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         85-68-7       Butylbenzylphthalate       330       U         85-68-7       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis(2-Ethylhexyl) phthalate       330       U         207-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (c) pyrene       330       U         50-32-8       Benzo (a) pyrene       330       U         50-		4-Chlorophenyl-phenylether	330	Ū
86-30-6       N-nitrosodiphenylamine (1)       330       U         101-55-3       4-Bromophenyl-phenylether       330       U         118-74-1       Hexachlorobenzene       330       U         1912-24-9       Atrazine       330       U         87-86-5       Pentachlorophenol       830       U         85-01-8       Phenanthrene       330       U         120-12-7       Anthracene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis (2-Ethylhexyl) phthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         207-08-9 </td <td>100-01-6</td> <td>4-Nitroaniline</td> <td>830</td> <td>Ū</td>	100-01-6	4-Nitroaniline	830	Ū
101-55-3       4-Bromophenyl-phenylether       330       U         118-74-1       Hexachlorobenzene       330       U         1912-24-9       Atrazine       330       U         87-86-5       Pentachlorophenol       830       U         85-01-8       Phenanthrene       330       U         120-12-7       Anthracene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis(2-Ethylhexyl) phthalate       330       U         205-99-2       Benzo(b) fluoranthene       330       U         207-08-9       Benzo(k) fluoranthene       330       U         50-32-8       Benzo(a) pyrene       330       U         53-70-3       D	534-52-1	4,6-Dinitro-2-methylphenol	830	U
118-74-1       Hexachlorobenzene       330       U         1912-24-9       Atrazine       330       U         87-86-5       Pentachlorophenol       830       U         85-01-8       Phenanthrene       330       U         120-12-7       Anthracene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo (a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis (2-Ethylhexyl) phthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         50-32-8       Benzo (a) pyrene       330       U         53-70-3       Dibenz	86-30-6	N-nitrosodiphenylamine (1)	330	U
1912-24-9   Atrazine   330   U	101-55-3	4-Bromophenyl-phenylether	330	U
87-86-5       Pentachlorophenol       830       U         85-01-8       Phenanthrene       330       U         120-12-7       Anthracene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo (a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis (2-Ethylhexyl) phthalate       330       U         207-09-9       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U		Hexachlorobenzene	330	Ū
85-01-8       Phenanthrene       330       U         120-12-7       Anthracene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis(2-Ethylhexyl) phthalate       330       U         205-99-2       Benzo(b) fluoranthene       330       U         207-08-9       Benzo(k) fluoranthene       330       U         50-32-8       Benzo(a) pyrene       330       U         193-39-5       Indeno(1,2,3-cd) pyrene       330       U         53-70-3       Dibenzo(a,h) anthracene       330       U	1912-24-9	Atrazine	330	Ū
120-12-7       Anthracene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis (2-Ethylhexyl) phthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U	87-86-5	Pentachlorophenol	830	U
86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo (a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis (2-Ethylhexyl) phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U	85-01-8	Phenanthrene	330	U
84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis(2-Ethylhexyl)phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo(b) fluoranthene       330       U         207-08-9       Benzo(k) fluoranthene       330       U         50-32-8       Benzo(a) pyrene       330       U         193-39-5       Indeno(1,2,3-cd) pyrene       330       U         53-70-3       Dibenzo(a,h) anthracene       330       U	120-12-7		330	U
206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo (a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis (2-Ethylhexyl) phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U	86-74-8	Carbazole	330	U
129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis(2-Ethylhexyl)phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo(b) fluoranthene       330       U         207-08-9       Benzo(k) fluoranthene       330       U         50-32-8       Benzo(a) pyrene       330       U         193-39-5       Indeno(1,2,3-cd) pyrene       330       U         53-70-3       Dibenzo(a,h) anthracene       330       U	84-74-2	Di-n-butylphthalate	330	Ū
85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis(2-Ethylhexyl)phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo(b) fluoranthene       330       U         207-08-9       Benzo(k) fluoranthene       330       U         50-32-8       Benzo(a) pyrene       330       U         193-39-5       Indeno(1,2,3-cd) pyrene       330       U         53-70-3       Dibenzo(a,h) anthracene       330       U		Fluoranthene	330	Ū
91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis(2-Ethylhexyl)phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo(b) fluoranthene       330       U         207-08-9       Benzo(k) fluoranthene       330       U         50-32-8       Benzo(a) pyrene       330       U         193-39-5       Indeno(1,2,3-cd) pyrene       330       U         53-70-3       Dibenzo(a,h) anthracene       330       U		Pyrene	330	Ū
56-55-3       Benzo (a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis (2-Ethylhexyl) phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U			330	Ū
218-01-9       Chrysene       330       U         117-81-7       bis(2-Ethylhexyl)phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo(b) fluoranthene       330       U         207-08-9       Benzo(k) fluoranthene       330       U         50-32-8       Benzo(a) pyrene       330       U         193-39-5       Indeno(1,2,3-cd) pyrene       330       U         53-70-3       Dibenzo(a,h) anthracene       330       U		3,3'-Dichlorobenzidine	330	Ū
117-81-7       bis(2-Ethylhexyl)phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo(b) fluoranthene       330       U         207-08-9       Benzo(k) fluoranthene       330       U         50-32-8       Benzo(a) pyrene       330       U         193-39-5       Indeno(1,2,3-cd) pyrene       330       U         53-70-3       Dibenzo(a,h) anthracene       330       U		Benzo(a) anthracene	330	U
117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U		Chrysene	330	Ū
205-99-2       Benzo (b) fluoranthene       330 U         207-08-9       Benzo (k) fluoranthene       330 U         50-32-8       Benzo (a) pyrene       330 U         193-39-5       Indeno (1,2,3-cd) pyrene       330 U         53-70-3       Dibenzo (a,h) anthracene       330 U	117-81-7	bis(2-Ethylhexyl)phthalate	330	Ū
207-08-9         Benzo (k) fluoranthene         330         U           50-32-8         Benzo (a) pyrene         330         U           193-39-5         Indeno (1,2,3-cd) pyrene         330         U           53-70-3         Dibenzo (a,h) anthracene         330         U	117-84-0	Di-n-octylphthalate	330	U
50-32-8         Benzo(a) pyrene         330         U           193-39-5         Indeno(1,2,3-cd) pyrene         330         U           53-70-3         Dibenzo(a,h) anthracene         330         U			330	U
193-39-5       Indeno (1, 2, 3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U	207-08-9	Benzo(k)fluoranthene	330	Ü
53-70-3 Dibenzo (a, h) anthracene 330 U		Benzo(a)pyrene	330	U
		Indeno (1, 2, 3-cd) pyrene	330	U
191-24-2 Benzo(g,h,i)perylene 330 U			330	Ū
	191-24-2	Benzo(g,h,i)perylene	330	Ū

^{(1) -} Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SBLKDI Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DH286

Level: (low/med) LOW

% Moisture: ____ Decanted: (Y/N)

Concentrated Extract Volume: 500(uL)

Injection Volume: 2.0(uL)

GPC Cleanup: (Y/N) Y pH: 7.0

Dilution Factor: 1.0

Extraction: (Type) SONC

Lab Sample ID: S0510-B3D

Date Received: ____

Date Extracted:05/10/04

Date Analyzed: 05/18/04

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	=======================================		=======================================	=====
2.				
3.				
4.				
5. 6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14. 15.				
16.				
17.				
18.				
19.				* -
20.				
21.				<del></del>
22.				
23. 24.				
25.				
26.				
27.				
28.				
29.				
30.		-		

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

SBLKJQ

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: S0510-B3J

Sample wt/vol: 30.0(g/mL) G

Lab File ID: JL199

Level: (low/med) LOW

Date Received:

% Moisture: ____ Decanted: (Y/N)___

Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/21/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

,	·	· ·
100-52-7	Benzaldehyde	330 U
108-95-2	Phenol	330 U
111-44-4	bis(2-Chloroethyl)Ether	330 U
95-57-8	2-Chlorophenol	330 U
95-48-7	2-Methylphenol	330 U
108-60-1	2,2'-oxybis(1-Chloropropane)	330 U
98-86-2	Acetophenone	- 330 U
106-44-5	4-Methylphenol	330 U
621-64-7	N-Nitroso-di-n-propylamine	330 Ü
67-72-1	Hexachloroethane	330 U
98-95-3	Nitrobenzene	330 U
78-59-1	Isophorone	330 U
88-75-5	2-Nitrophenol	330 U
105-67-9	2,4-Dimethylphenol	330 U
111-91-1	bis(2-Chloroethoxy)methane	330 U
120-83-2	2,4-Dichlorophenol	330 U
91-20-3	Naphthalene	330 U
106-47-8	4-Chloroaniline	330 U
87-68-3	Hexachlorobutadiene	330 U
105-60-2	Caprolactam	330 U
59-50-7	4-Chloro-3-Methylphenol	330 U
91-57-6	2-Methylnaphthalene	330 U
77-47-4	Hexachlorocyclopentadiene	330 U
88-06-2	2,4,6-Trichlorophenol	330 U
95-95-4	2,4,5-Trichlorophenol	830 U
92-52-4	1,1'-Biphenyl	330 U
91-58-7	2-Chloronaphthalene	330 U
88-74-4	2-Nitroaniline	830 U
131-11-3	Dimethylphthalate	330 U
606-20-2	2,6-Dinitrotoluene	330 U
208-96-8	Acenaphthylene	330 U
99-09-2	3-Nitroaniline	830 U
83-32-9	Acenaphthene	330 U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: S0510-B3J

Sample wt/vol: 30.0(g/mL) G Lab File ID: JL199

Level: (low/med) LOW Date Received:

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/21/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO. COMPOUND CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

S1-28-5		•		•
132-64-9   Dibenzofuran   330   U   121-14-2   2,4-Dinitrotoluene   330   U   84-66-2   Diethylphthalate   330   U   86-73-7   Fluorene   330   U   7005-72-3   4-Chlorophenyl-phenylether   330   U   100-01-6   4-Nitroaniline   830   U   534-52-1   4,6-Dinitro-2-methylphenol   830   U   86-30-6   N-nitrosodiphenylamine (1)   330   U   118-74-1   Hexachlorophenyl-phenylether   330   U   118-74-1   Hexachlorophenzene   330   U   1912-24-9   Atrazine   330   U   85-01-8   Phenanthrene   330   U   86-74-8   Carbazole   330   U   120-12-7   Anthracene   330   U   86-74-8   Carbazole   330   U   86-74-8   Carbazole   330   U   205-44-0   Fluoranthene   330   U   2129-00-0   Pyrene   330   U   2129-00-0   Pyrene   330   U   218-01-9   Chrysene   330   U   218-01-9   Chrysene   330   U   217-81-7   Disic2-Ethylphthalate   330   U   218-01-9   Chrysene   330   U   205-99-2   Benzo (a) anthracene   330   U   205-99-2   Benzo (b) fluoranthene   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   217-81-7   Disic2-Ethylphthalate   330   U   235-99-2   Benzo (b) fluoranthene   330   U   235-99-2   Benzo (b) fluoranthene   330   U   235-70-3   Dibenzo (a, h) anthracene   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330   U   330		2,4-Dinitrophenol	830	U
121-14-2		4-Nitrophenol	830	U
84-66-2       Diethylphthalate       330       U         86-73-7       Fluorene       330       U         7005-72-3       4-Chlorophenyl-phenylether       330       U         100-01-6       4-Nitroaniline       830       U         534-52-1       4,6-Dinitro-2-methylphenol       830       U         86-30-6       N-nitrosodiphenylamine (1)       330       U         101-55-3       4-Bromophenyl-phenylether       330       U         118-74-1       Hexachlorobenzene       330       U         1912-24-9       Atrazine       330       U         87-86-5       Pentachlorophenol       830       U         85-01-8       Phenanthrene       330       U         120-12-7       Anthracene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo (a) anthracene       330       U         117-81	•	1	330	U
86-73-7   Fluorene   330   U   7005-72-3   4-Chlorophenyl-phenylether   330   U   100-01-6   4-Nitroaniline   830   U   100-01-6   4-Nitroaniline   830   U   100-01-6   4-Nitroaniline   830   U   100-01-6   4-Nitroaniline   830   U   100-01-6   830   U   100-01-6   830   U   100-01-5   4-Bromophenylamine (1)   330   U   100-01-5   3-0   4-Bromophenylether   330   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0   U   100-01-5   3-0		2,4-Dinitrotoluene	330	U
Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour   Tour			330	U
100-01-6			330	Ū
534-52-1       4,6-Dinitro-2-methylphenol       830       U         86-30-6       N-nitrosodiphenylamine (1)       330       U         101-55-3       4-Bromophenyl-phenylether       330       U         118-74-1       Hexachlorobenzene       330       U         1912-24-9       Atrazine       330       U         87-86-5       Pentachlorophenol       830       U         85-01-8       Phenanthrene       330       U         120-12-7       Anthracene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         29-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         218-01-9       Chrysene       330       U         217-81-7       bis(2-Ethylhexyl)phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         207-08-9       Benzo(k)fluoranthene       330       U         207-08-9 </td <td></td> <td></td> <td>330</td> <td>Ū.</td>			330	Ū.
86-30-6       N-nitrosodiphenylamine (1)       330       U         101-55-3       4-Bromophenyl-phenylether       330       U         118-74-1       Hexachlorobenzene       330       U         1912-24-9       Atrazine       330       U         87-86-5       Pentachlorophenol       830       U         85-01-8       Phenanthrene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo (a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       Dis (2-Ethylhexyl) phthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         53-7	100-01-6	4-Nitroaniline	830	U
101-55-3		4,6-Dinitro-2-methylphenol	830	Ŭ.
118-74-1       Hexachlorobenzene       330       U         1912-24-9       Atrazine       330       U         87-86-5       Pentachlorophenol       830       U         85-01-8       Phenanthrene       330       U         120-12-7       Anthracene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         218-01-9       Chrysene       330       U         117-81-7       bis (2-Ethylhexyl) phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         207-08-9       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U		N-nitrosodiphenylamine (1)	330	Ū
1912-24-9   Atrazine   330 U   87-86-5   Pentachlorophenol   830 U   85-01-8   Phenanthrene   330 U   120-12-7   Anthracene   330 U   86-74-8   Carbazole   330 U   206-44-0   Fluoranthene   330 U   206-44-0   Fluoranthene   330 U   206-44-0   Fluoranthene   330 U   206-44-0   Fluoranthene   330 U   206-68-7   Butylbenzylphthalate   330 U   206-68-7   Butylbenzylphthalate   330 U   206-55-3   Benzo(a) anthracene   330 U   206-55-3   Benzo(a) anthracene   330 U   206-55-3   Benzo(a) anthracene   330 U   206-55-3   Benzo(a) anthracene   330 U   206-55-3   Benzo(a) anthracene   330 U   207-08-9   Benzo(b) fluoranthene   330 U   205-99-2   Benzo(b) fluoranthene   330 U   207-08-9   Benzo(b) fluoranthene   330 U   207-08-9   Benzo(k) fluoranthene   330 U   207-08-9   Benzo(a) pyrene   330 U   207-08-9   Benzo(a) pyrene   330 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   300 U   3		4-Bromophenyl-phenylether	330	Ū
87-86-5       Pentachlorophenol       830       U         85-01-8       Phenanthrene       330       U         120-12-7       Anthracene       330       U         86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo (a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis (2-Ethylhexyl) phthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (b) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U		Hexachlorobenzene	330	Ū
85-01-8         Phenanthrene         330         U           120-12-7         Anthracene         330         U           86-74-8         Carbazole         330         U           84-74-2         Di-n-butylphthalate         330         U           206-44-0         Fluoranthene         330         U           129-00-0         Pyrene         330         U           85-68-7         Butylbenzylphthalate         330         U           91-94-1         3,3'-Dichlorobenzidine         330         U           56-55-3         Benzo(a) anthracene         330         U           218-01-9         Chrysene         330         U           117-81-7         bis(2-Ethylhexyl) phthalate         330         U           117-84-0         Di-n-octylphthalate         330         U           205-99-2         Benzo (b) fluoranthene         330         U           207-08-9         Benzo (k) fluoranthene         330         U           50-32-8         Benzo (a) pyrene         330         U           50-32-8         Benzo (a) pyrene         330         U           53-70-3         Dibenzo (a, h) anthracene         330         U	1912-24-9	Atrazine	330	Ū
120-12-7   Anthracene   330   U     86-74-8   Carbazole   330   U     84-74-2   Di-n-butylphthalate   330   U     206-44-0   Fluoranthene   330   U     129-00-0   Pyrene   330   U	87-86-5	Pentachlorophenol	830	Ū
86-74-8       Carbazole       330       U         84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis(2-Ethylhexyl)phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo(b) fluoranthene       330       U         207-08-9       Benzo(k) fluoranthene       330       U         50-32-8       Benzo(a) pyrene       330       U         193-39-5       Indeno(1,2,3-cd) pyrene       330       U         53-70-3       Dibenzo(a,h) anthracene       330       U		Phenanthrene	330	U
84-74-2       Di-n-butylphthalate       330       U         206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo (a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis (2-Ethylhexyl) phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U			330	U
206-44-0       Fluoranthene       330       U         129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo (a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis (2-Ethylhexyl) phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U			330	Ū
129-00-0       Pyrene       330       U         85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis(2-Ethylhexyl)phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo(b) fluoranthene       330       U         207-08-9       Benzo(k) fluoranthene       330       U         50-32-8       Benzo(a) pyrene       330       U         193-39-5       Indeno(1,2,3-cd) pyrene       330       U         53-70-3       Dibenzo(a,h) anthracene       330       U		Di-n-butylphthalate	330	U
85-68-7       Butylbenzylphthalate       330       U         91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis(2-Ethylhexyl)phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo(b)fluoranthene       330       U         207-08-9       Benzo(k)fluoranthene       330       U         50-32-8       Benzo(a)pyrene       330       U         193-39-5       Indeno(1,2,3-cd)pyrene       330       U         53-70-3       Dibenzo(a,h)anthracene       330       U		Fluoranthene	330	Ū
91-94-1       3,3'-Dichlorobenzidine       330       U         56-55-3       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis (2-Ethylhexyl) phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         193-39-5       Indeno (1,2,3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U		Pyrene	330	Ū
56-55-3       Benzo(a) anthracene       330       U         218-01-9       Chrysene       330       U         117-81-7       bis (2-Ethylhexyl) phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U			330	U
218-01-9       Chrysene       330       U         117-81-7       bis(2-Ethylhexyl)phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo(b)fluoranthene       330       U         207-08-9       Benzo(k)fluoranthene       330       U         50-32-8       Benzo(a)pyrene       330       U         193-39-5       Indeno(1,2,3-cd)pyrene       330       U         53-70-3       Dibenzo(a,h)anthracene       330       U			330	Ū
117-81-7       bis(2-Ethylhexyl)phthalate       330       U         117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo(b)fluoranthene       330       U         207-08-9       Benzo(k)fluoranthene       330       U         50-32-8       Benzo(a)pyrene       330       U         193-39-5       Indeno(1,2,3-cd)pyrene       330       U         53-70-3       Dibenzo(a,h)anthracene       330       U			330	U
117-84-0       Di-n-octylphthalate       330       U         205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U			330	Ū
205-99-2       Benzo (b) fluoranthene       330       U         207-08-9       Benzo (k) fluoranthene       330       U         50-32-8       Benzo (a) pyrene       330       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       330       U         53-70-3       Dibenzo (a, h) anthracene       330       U		bis(2-Ethylhexyl)phthalate	330	U
207-08-9         Benzo (k) fluoranthene         330         U           50-32-8         Benzo (a) pyrene         330         U           193-39-5         Indeno (1,2,3-cd) pyrene         330         U           53-70-3         Dibenzo (a, h) anthracene         330         U			330	U
50-32-8         Benzo (a) pyrene         330         U           193-39-5         Indeno (1,2,3-cd) pyrene         330         U           53-70-3         Dibenzo (a, h) anthracene         330         U			330	Ū
50-32-8         Benzo(a) pyrene         330         U           193-39-5         Indeno(1,2,3-cd) pyrene         330         U           53-70-3         Dibenzo(a,h) anthracene         330         U				
193-39-5       Indeno(1,2,3-cd)pyrene       330       U         53-70-3       Dibenzo(a,h)anthracene       330       U		Benzo(a) pyrene	330	_
53-70-3 Dibenzo (a, h) anthracene 330 U		Indeno (1,2,3-cd) pyrene		
101 04 0   7   7   1				Ū
	191-24-2	Benzo(g,h,i)perylene		

^{(1) -} Cannot be separated from Diphenylamine

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: S0510-B3J

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: JL199

Level: (low/med) LOW

Date Received:

% Moisture: _____ Decanted: (Y/N)

Date Extracted: 05/10/04

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 05/21/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		======		=====
2.				
3.				<del>                                     </del>
4.				
5.				-
6.				
7.				
8.				
9.		-		
10.				
11.				
12. 13.		***		
14.				
15.				
16.		· · · · · · · · · · · · · · · · · · ·		
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.			, , , , , , , , , , , , , , , , , , ,	
26.			***	<del></del>
27.				
28.			,	
29.	<u> </u>			
30.				

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKJW

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Sample wt/vol: 1.0(g/mL) G

Lab File ID: JL243

Level: (low/med) MED

Date Received:

% Moisture: Decanted: (Y/N)

Date Extracted: 05/13/04

Lab Sample ID: MS0513-B4J

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

92-52-4

91-58-7

88-74-4

131-11-3

208-96-8

99-09-2

83-32-9

606-20-2

1,1'-Biphenyl

2-Nitroaniline

Acenaphthylene

3-Nitroaniline Acenaphthene

Dimethylphthalate 2,6-Dinitrotoluene

2-Chloronaphthalene

Extraction: (Type) SONC

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

		10000	TT
100-52-7	Benzaldehyde ·	10000	U
108-95-2	Phenol	10000	Ū .
111-44-4	bis(2-Chloroethyl)Ether	10000	U
95-57-8	2-Chlorophenol	10000	U
95-48-7	2-Methylphenol	10000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10000	U
98-86-2	Acetophenone	10000	U
106-44-5	4-Methylphenol	10000	Ŭ .
621-64-7	N-Nitroso-di-n-propylamine	10000	U
67-72-1	Hexachloroethane	10000	U !
98-95-3	Nitrobenzene	10000	U
78-59-1	Isophorone	10000	U
88-75-5	2-Nitrophenol	10000	U
105-67-9	2,4-Dimethylphenol	10000	U
111-91-1	bis(2-Chloroethoxy)methane	10000	U
120-83-2	2,4-Dichlorophenol	10000	U
91-20-3	Naphthalene	10000	U
106-47-8	4-Chloroaniline	10000	U
87-68-3	Hexachlorobutadiene	. 10000	U
105-60-2	Caprolactam	10000	U
59-50-7	4-Chloro-3-Methylphenol	10000	U
91-57-6	2-Methylnaphthalene	10000	U
77-47-4	Hexachlorocyclopentadiene	10000	Ŭ
88-06-2	2,4,6-Trichlorophenol	10000	Ū
95-95-4	2,4,5-Trichlorophenol	25000	U
	<u> </u>		

10000

10000

25000

10000

10000

10000

25000

10000

Ū

Ū

IJ

Ū

Ū

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKJW

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: MS0513-B4J

Sample wt/vol: 1.0(g/mL) G

Lab File ID: JL243

Level: (low/med) MED

Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/13/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

	2 4 Dinitrophonol	25000	U
51-28-5 <u> </u>	2,4-Dinitrophenol 4-Nitrophenol	25000	Ū
	Dibenzofuran	10000	Ū
132-64-9		10000	Ū
121-14-2	2,4-Dinitrotoluene	10000	U
84-66-2	Diethylphthalate	10000	Ü
86-73-7	Fluorene	10000	Ū
7005-72-3	4-Chlorophenyl-phenylether	25000	Ū
100-01-6	4-Nitroaniline		Ū
534-52-1	4,6-Dinitro-2-methylphenol	25000	
86-30-6	N-nitrosodiphenylamine (1)	10000	U
101-55-3	4-Bromophenyl-phenylether	10000	U
118-74-1	Hexachlorobenzene	10000	U
1912-24-9	Atrazine	10000	U
87 <b>-</b> 86-5	Pentachlorophenol	25000	U
85-01-8	Phenanthrene	10000	U
120-12-7	Anthracene	10000	U
86-74-8	Carbazole	10000	U
84-74-2	Di-n-butylphthalate	10000	U
206-44-0	Fluoranthene	10000	U
129-00-0	Pyrene	10000	U
85-68-7	Butylbenzylphthalate	10000	U
91-94-1	3,3'-Dichlorobenzidine	10000	U
56-55-3	Benzo (a) anthracene	10000	Ū
218-01-9	Chrysene	10000	Ū
117-81-7	bis(2-Ethylhexyl)phthalate	1300	J
117-84-0	Di-n-octylphthalate	10000	Ū
205-99-2	Benzo(b) fluoranthene	10000	U
207-08-9	Benzo(k) fluoranthene	10000	Ū
50-32-8	Benzo (a) pyrene	10000	Ū
193-39-5	Indeno(1,2,3-cd)pyrene	10000	Ū
53-70-3	Dibenzo(a,h) anthracene	10000	Ū
191-24-2	Benzo(q,h,i) perylene	10000	U
171-24-2	Delizo (9,11, 1) per yreite	10000	

(1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SBLKJW Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: MS0513-B4J

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: JL243

Date Received:

30.

Level: (low/med) MED

% Moisture: ____ Decanted: (Y/N)___

Date Extracted:05/13/04

Concentrated Extract Volume: 500(uL)

Date Analyzed: 05/25/04

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Injection Volume: 2.0(uL)

Extraction: (Type) SONC

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/Kg CAS NUMBER COMPOUND NAME RTEST. CONC. 2. 3. 4.

5.	1	
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		-
23.		
24.		
25.		
26.		
27.		
28.		
29.		

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 68-W-03-018

SBLKKU

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: MS0514-B4K

Sample wt/vol: 1.0(g/mL) G Lab File ID: K8400

Level: (low/med) MED

Date Received:

% Moisture: ____ Decanted: (Y/N)___

Concentrated Extract Volume: 500(uL)

Date Extracted: 05/14/04 Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG Q

			-
100-52-7	Benzaldehyde	10000	U
108-95-2	Phenol	10000	U
111-44-4	bis(2-Chloroethyl)Ether	10000	Ū
95-57-8	2-Chlorophenol	10000	U
95-48-7	2-Methylphenol	10000	Ū
108-60-1	2,2'-oxybis(1-Chloropropane)	10000	U
98-86-2	Acetophenone	10000	Ū
106-44-5	4-Methylphenol	10000	Ū
621-64-7	N-Nitroso-di-n-propylamine	10000	U
67-72-1	Hexachloroethane	10000	Ū
98-95-3	Nitrobenzene	10000	Ū
78-59-1	Isophorone	10000	U
88-75-5	2-Nitrophenol	10000	Ū
105-67-9	2,4-Dimethylphenol	10000	U
111-91-1	bis(2-Chloroethoxy)methane	10000	U
120-83-2	2,4-Dichlorophenol	10000	U
91-20-3	Naphthalene	10000	Ū
106-47-8	4-Chloroaniline	10000	U
87-68-3	Hexachlorobutadiene	10000	U
105-60-2	Caprolactam	10000	U
59-50-7	4-Chloro-3-Methylphenol	10000	U
91-57-6	2-Methylnaphthalene	10000	U
77-47-4	Hexachlorocyclopentadiene	10000	Ū
. 88-06-2	2,4,6-Trichlorophenol	10000	Ū
95-95-4	2,4,5-Trichlorophenol	25000	U
92-52-4	1,1'-Biphenyl	10000	Ū
91-58-7	2-Chloronaphthalene	10000	Ū.
88-74-4	2-Nitroaniline	25000	Ū
131-11-3	Dimethylphthalate	10000	Ū
606-20-2	2,6-Dinitrotoluene	10000	Ū
208-96-8	Acenaphthylene	10000	Ū
99-09-2	3-Nitroaniline	25000	Ū
83-32-9	Acenaphthene	10000	Ū

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKKU	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: MS0514-B4K

Sample wt/vol: 1.0(g/mL) G

Lab File ID: K8400

Level: (low/med) MED

Date Received:

% Moisture: Decanted: (Y/N)____

Concentrated Extract Volume: 500(uL)

Date Extracted: 05/14/04

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

S1-28-5			05000	
132-64-9   Dibenzofuram   10000   U     121-14-2   2,4-Dinitrotoluene   10000   U     84-66-2   Diethylphthalate   10000   U     86-73-7   Fluorene   10000   U     7005-72-3   4-Chlorophenyl-phenylether   10000   U     100-01-6   4-Nitroanilline   25000   U     534-52-1   4,6-Dinitro-2-methylphenol   25000   U     86-30-6   N-nitrosodiphenylamine (1)   10000   U     101-55-3   4-Bromophenyl-phenylether   10000   U     118-74-1   Hexachlorobenzene   10000   U     1912-24-9   Atrazine   10000   U     87-86-5   Pentachlorophenol   25000   U     85-01-8   Phenanthrene   10000   U     86-74-8   Carbazole   10000   U     84-74-2   Di-n-butylphthalate   10000   U     206-44-0   Fluoranthene   10000   U     225-68-7   Butylbenzylphthalate   10000   U     85-68-7   Butylbenzylphthalate   10000   U     219-00-0   Pyrene   10000   U     256-55-3   Benzo(a) anthracene   10000   U     117-81-7   bis(2-Ethylhexyl)phthalate   10000   U     117-84-0   Di-n-octylphthalate   10000   U     207-08-9   Benzo(k) fluoranthene   10000   U     193-39-5   Indeno(1,2,3-cd)pyrene   10000   U     193-39-5   Indeno(1,2,3-cd)pyrene   10000   U     10000   U     193-39-5   Indeno(1,2,3-cd)pyrene   10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000   U     10000	51-28-5	2,4-Dinitrophenol	25000	U
121-14-2   2,4-Dinitrotoluene   10000   U		4-Nitrophenol		, –
84-66-2         Diethylphthalate         10000         U           86-73-7         Fluorene         10000         U           7005-72-3         4-Chlorophenyl-phenylether         10000         U           100-01-6         4-Nitroaniline         25000         U           534-52-1         4,6-Dinitro-2-methylphenol         25000         U           86-30-6         N-nitrosodiphenylamine (1)         10000         U           101-55-3         4-Bromophenyl-phenylether         10000         U           118-74-1         Hexachlorobenzene         10000         U           1912-24-9         Atrazine         10000         U           87-86-5         Pentachlorophenol         25000         U           85-01-8         Phenanthrene         10000         U           120-12-7         Anthracene         10000         U           86-74-8         Carbazole         10000         U           84-74-8         Carbazole         10000         U           84-74-9         Di-n-butylphthalate         10000         U           129-00-0         Pyrene         10000         U           85-68-7         Butylbenzylphthalate         10000         U <td>132-64-9</td> <td></td> <td></td> <td></td>	132-64-9			
S6-73-7   Fluorene   10000   U		, , , , , , , , , , , , , , , , , , , ,		,
Tools	84-66-2			
100-01-6				
534-52-1	7005-72-3	4-Chlorophenyl-phenylether		. –
86-30-6       N-nitrosodiphenylamine (1)       10000       U         101-55-3       4-Bromophenyl-phenylether       10000       U         118-74-1       Hexachlorobenzene       10000       U         1912-24-9       Atrazine       10000       U         87-86-5       Pentachlorophenol       25000       U         85-01-8       Phenanthrene       10000       U         120-12-7       Anthracene       10000       U         86-74-8       Carbazole       10000       U         84-74-2       Di-n-butylphthalate       10000       U         206-44-0       Fluoranthene       10000       U         129-00-0       Pyrene       10000       U         85-68-7       Butylbenzylphthalate       10000       U         91-94-1       3,3'-Dichlorobenzidine       10000       U         56-55-3       Benzo (a) anthracene       10000       U         117-81-7       bis (2-Ethylhexyl) phthalate       10000       U         117-84-0       Di-n-octylphthalate       10000       U         205-99-2       Benzo (b) fluoranthene       10000       U         207-08-9       Benzo (k) fluoranthene       10000 <t< td=""><td></td><td></td><td>L</td><td><u> </u></td></t<>			L	<u> </u>
101-55-3       4-Bromophenyl-phenylether       10000       U         118-74-1       Hexachlorobenzene       10000       U         1912-24-9       Atrazine       10000       U         87-86-5       Pentachlorophenol       25000       U         85-01-8       Phenanthrene       10000       U         120-12-7       Anthracene       10000       U         86-74-8       Carbazole       10000       U         84-74-2       Di-n-butylphthalate       10000       U         206-44-0       Fluoranthene       10000       U         129-00-0       Pyrene       10000       U         85-68-7       Butylbenzylphthalate       10000       U         91-94-1       3,3'-Dichlorobenzidine       10000       U         56-55-3       Benzo(a) anthracene       10000       U         218-01-9       Chrysene       10000       U         117-81-7       bis(2-Ethylhexyl) phthalate       10000       U         205-99-2       Benzo(b) fluoranthene       10000       U         207-08-9       Benzo(k) fluoranthene       10000       U         50-32-8       Benzo(a) pyrene       10000       U <tr< td=""><td></td><td></td><td></td><td></td></tr<>				
118-74-1       Hexachlorobenzene       10000       U         1912-24-9       Atrazine       10000       U         87-86-5       Pentachlorophenol       25000       U         85-01-8       Phenanthrene       10000       U         120-12-7       Anthracene       10000       U         86-74-8       Carbazole       10000       U         84-74-2       Di-n-butylphthalate       10000       U         206-44-0       Fluoranthene       10000       U         129-00-0       Pyrene       10000       U         85-68-7       Butylbenzylphthalate       10000       U         91-94-1       3,3'-Dichlorobenzidine       10000       U         56-55-3       Benzo (a) anthracene       10000       U         218-01-9       Chrysene       10000       U         117-81-7       bis (2-Ethylhexyl) phthalate       10000       U         117-84-0       Di-n-octylphthalate       10000       U         205-99-2       Benzo (k) fluoranthene       10000       U         207-08-9       Benzo (k) fluoranthene       10000       U         50-32-8       Benzo (a) pyrene       10000       U	86-30-6	N-nitrosodiphenylamine (1)		_
1912-24-9   Atrazine   10000 U	101-55-3	4-Bromophenyl-phenylether		1
87-86-5       Pentachlorophenol       25000       U         85-01-8       Phenanthrene       10000       U         120-12-7       Anthracene       10000       U         86-74-8       Carbazole       10000       U         84-74-2       Di-n-butylphthalate       10000       U         206-44-0       Fluoranthene       10000       U         85-68-7       Butylbenzylphthalate       10000       U         91-94-1       3,3'-Dichlorobenzidine       10000       U         56-55-3       Benzo (a) anthracene       10000       U         218-01-9       Chrysene       10000       U         117-81-7       bis (2-Ethylhexyl) phthalate       10000       U         207-08-9       Benzo (b) fluoranthene       10000       U         207-08-9       Benzo (k) fluoranthene       10000       U         50-32-8       Benzo (a) pyrene       10000       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       10000       U         53-70-3       Dibenzo (a, h) anthracene       10000       U	118-74-1	Hexachlorobenzene	10000	. –
85-01-8       Phenanthrene       10000       U         120-12-7       Anthracene       10000       U         86-74-8       Carbazole       10000       U         84-74-2       Di-n-butylphthalate       10000       U         206-44-0       Fluoranthene       10000       U         129-00-0       Pyrene       10000       U         85-68-7       Butylbenzylphthalate       10000       U         91-94-1       3,3'-Dichlorobenzidine       10000       U         56-55-3       Benzo(a) anthracene       10000       U         218-01-9       Chrysene       10000       U         117-81-7       Dis (2-Ethylhexyl) phthalate       10000       U         117-84-0       Di-n-octylphthalate       10000       U         205-99-2       Benzo (b) fluoranthene       10000       U         207-08-9       Benzo (k) fluoranthene       10000       U         50-32-8       Benzo (a) pyrene       10000       U         193-39-5       Indeno (1,2,3-cd) pyrene       10000       U         53-70-3       Dibenzo (a, h) anthracene       10000       U		Atrazine	1	
120-12-7       Anthracene       10000       U         86-74-8       Carbazole       10000       U         84-74-2       Di-n-butylphthalate       10000       U         206-44-0       Fluoranthene       10000       U         129-00-0       Pyrene       10000       U         85-68-7       Butylbenzylphthalate       10000       U         91-94-1       3,3'-Dichlorobenzidine       10000       U         56-55-3       Benzo(a) anthracene       10000       U         218-01-9       Chrysene       10000       U         117-81-7       bis (2-Ethylhexyl) phthalate       10000       U         205-99-2       Benzo (b) fluoranthene       10000       U         207-08-9       Benzo (k) fluoranthene       10000       U         50-32-8       Benzo (a) pyrene       10000       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       10000       U         53-70-3       Dibenzo (a, h) anthracene       10000       U	87-86-5	Pentachlorophenol	25000	
86-74-8       Carbazole       10000       U         84-74-2       Di-n-butylphthalate       10000       U         206-44-0       Fluoranthene       10000       U         129-00-0       Pyrene       10000       U         85-68-7       Butylbenzylphthalate       10000       U         91-94-1       3,3'-Dichlorobenzidine       10000       U         56-55-3       Benzo (a) anthracene       10000       U         218-01-9       Chrysene       10000       U         117-81-7       bis (2-Ethylhexyl) phthalate       10000       U         117-84-0       Di-n-octylphthalate       10000       U         205-99-2       Benzo (b) fluoranthene       10000       U         207-08-9       Benzo (k) fluoranthene       10000       U         50-32-8       Benzo (a) pyrene       10000       U         193-39-5       Indeno (1, 2, 3-cd) pyrene       10000       U         53-70-3       Dibenzo (a, h) anthracene       10000       U	85-01-8	Phenanthrene	10000	
84-74-2       Di-n-butylphthalate       10000       U         206-44-0       Fluoranthene       10000       U         129-00-0       Pyrene       10000       U         85-68-7       Butylbenzylphthalate       10000       U         91-94-1       3,3'-Dichlorobenzidine       10000       U         56-55-3       Benzo(a) anthracene       10000       U         218-01-9       Chrysene       10000       U         117-81-7       bis(2-Ethylhexyl)phthalate       10000       U         117-84-0       Di-n-octylphthalate       10000       U         205-99-2       Benzo(b) fluoranthene       10000       U         207-08-9       Benzo(k) fluoranthene       10000       U         50-32-8       Benzo(a) pyrene       10000       U         193-39-5       Indeno(1,2,3-cd) pyrene       10000       U         53-70-3       Dibenzo(a, h) anthracene       10000       U	120-12-7	Anthracene	10000	
206-44-0       Fluoranthene       10000       U         129-00-0       Pyrene       10000       U         85-68-7       Butylbenzylphthalate       10000       U         91-94-1       3,3'-Dichlorobenzidine       10000       U         56-55-3       Benzo(a) anthracene       10000       U         218-01-9       Chrysene       10000       U         117-81-7       bis(2-Ethylhexyl)phthalate       10000       U         117-84-0       Di-n-octylphthalate       10000       U         205-99-2       Benzo(b) fluoranthene       10000       U         207-08-9       Benzo(k) fluoranthene       10000       U         50-32-8       Benzo(a) pyrene       10000       U         193-39-5       Indeno(1,2,3-cd) pyrene       10000       U         53-70-3       Dibenzo(a,h) anthracene       10000       U	86-74-8	Carbazole	1	-
129-00-0       Pyrene       10000       U         85-68-7       Butylbenzylphthalate       10000       U         91-94-1       3,3'-Dichlorobenzidine       10000       U         56-55-3       Benzo(a) anthracene       10000       U         218-01-9       Chrysene       10000       U         117-81-7       bis(2-Ethylhexyl)phthalate       10000       U         117-84-0       Di-n-octylphthalate       10000       U         205-99-2       Benzo(b) fluoranthene       10000       U         207-08-9       Benzo(k) fluoranthene       10000       U         50-32-8       Benzo(a) pyrene       10000       U         193-39-5       Indeno(1,2,3-cd) pyrene       10000       U         53-70-3       Dibenzo(a,h) anthracene       10000       U	84-74-2	Di-n-butylphthalate	10000	
85-68-7       Butylbenzylphthalate       10000       U         91-94-1       3,3'-Dichlorobenzidine       10000       U         56-55-3       Benzo(a) anthracene       10000       U         218-01-9       Chrysene       10000       U         117-81-7       bis(2-Ethylhexyl)phthalate       10000       U         117-84-0       Di-n-octylphthalate       10000       U         205-99-2       Benzo(b) fluoranthene       10000       U         207-08-9       Benzo(k) fluoranthene       10000       U         50-32-8       Benzo(a) pyrene       10000       U         193-39-5       Indeno(1,2,3-cd) pyrene       10000       U         53-70-3       Dibenzo(a,h) anthracene       10000       U	206-44-0	Fluoranthene	10000	_
91-94-1       3,3'-Dichlorobenzidine       10000       U         56-55-3       Benzo(a) anthracene       10000       U         218-01-9       Chrysene       10000       U         117-81-7       bis(2-Ethylhexyl)phthalate       10000       U         117-84-0       Di-n-octylphthalate       10000       U         205-99-2       Benzo(b)fluoranthene       10000       U         207-08-9       Benzo(k)fluoranthene       10000       U         50-32-8       Benzo(a)pyrene       10000       U         193-39-5       Indeno(1,2,3-cd)pyrene       10000       U         53-70-3       Dibenzo(a,h)anthracene       10000       U				_
56-55-3       Benzo(a) anthracene       10000       U         218-01-9       Chrysene       10000       U         117-81-7       bis(2-Ethylhexyl)phthalate       10000       U         117-84-0       Di-n-octylphthalate       10000       U         205-99-2       Benzo(b) fluoranthene       10000       U         207-08-9       Benzo(k) fluoranthene       10000       U         50-32-8       Benzo(a) pyrene       10000       U         193-39-5       Indeno(1,2,3-cd) pyrene       10000       U         53-70-3       Dibenzo(a,h) anthracene       10000       U		Butylbenzylphthalate	10000	U
218-01-9       Chrysene       10000       U         117-81-7       bis(2-Ethylhexyl)phthalate       10000       U         117-84-0       Di-n-octylphthalate       10000       U         205-99-2       Benzo(b)fluoranthene       10000       U         207-08-9       Benzo(k)fluoranthene       10000       U         50-32-8       Benzo(a)pyrene       10000       U         193-39-5       Indeno(1,2,3-cd)pyrene       10000       U         53-70-3       Dibenzo(a,h)anthracene       10000       U	91-94-1	3,3'-Dichlorobenzidine	10000	
117-81-7       bis(2-Ethylhexyl)phthalate       10000       U         117-84-0       Di-n-octylphthalate       10000       U         205-99-2       Benzo(b)fluoranthene       10000       U         207-08-9       Benzo(k)fluoranthene       10000       U         50-32-8       Benzo(a)pyrene       10000       U         193-39-5       Indeno(1,2,3-cd)pyrene       10000       U         53-70-3       Dibenzo(a,h)anthracene       10000       U	56-55-3	Benzo (a) anthracene	10000	_
117-84-0       Di-n-octylphthalate       10000       U         205-99-2       Benzo(b) fluoranthene       10000       U         207-08-9       Benzo(k) fluoranthene       10000       U         50-32-8       Benzo(a) pyrene       10000       U         193-39-5       Indeno(1,2,3-cd) pyrene       10000       U         53-70-3       Dibenzo(a,h) anthracene       10000       U			10000	
205-99-2       Benzo (b) fluoranthene       10000 U         207-08-9       Benzo (k) fluoranthene       10000 U         50-32-8       Benzo (a) pyrene       10000 U         193-39-5       Indeno (1, 2, 3-cd) pyrene       10000 U         53-70-3       Dibenzo (a, h) anthracene       10000 U	117-81-7	bis(2-Ethylhexyl)phthalate	10000	
207-08-9       Benzo(k) fluoranthene       10000       U         50-32-8       Benzo(a) pyrene       10000       U         193-39-5       Indeno(1,2,3-cd) pyrene       10000       U         53-70-3       Dibenzo(a,h) anthracene       10000       U	117-84-0	Di-n-octylphthalate	10000	L
50-32-8         Benzo(a) pyrene         10000         U           193-39-5         Indeno(1,2,3-cd) pyrene         10000         U           53-70-3         Dibenzo(a,h) anthracene         10000         U			10000	
193-39-5       Indeno(1,2,3-cd) pyrene       10000       U         53-70-3       Dibenzo(a,h) anthracene       10000       U	207-08-9	Benzo(k)fluoranthene	10000	Ū
53-70-3 Dibenzo(a,h)anthracene 10000 U	1		10000	-
53-70-3 Dibenzo(a,h)anthracene 10000 U		Indeno (1,2,3-cd) pyrene	10000	Ū
191-24-2 Benzo(g,h,i)perylene 10000 U	53-70-3		10000	
	191-24-2	Benzo(g,h,i)perylene	10000	Ū

(1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SBLKK	U

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: MS0514-B4K

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: K8400

Level: (low/med)

MED

Date Received:

29. 30.

% Moisture: ____ Decanted: (Y/N)___

Date Extracted:05/14/04

Concentrated Extract Volume:

500 (uL)

Date Analyzed: 05/20/04

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.01	2000	J
2.				
3.				
4.				
5.				
6.			24.000.000.000.000.000	
7.				
9.	,			
10.				
11.	A SPECIAL SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF			
12.				
13.				
14.			- HERE T	
15.				
16.				<u> </u>
17.				
18.				
19. 20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.	·			

FORM I SV-TIC

OLM04.3

# SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839 SAS No.: SDG No.: E0074

GC Column(1):DB5 ID:0.53(mm)

GC Column(2):DB35 ID:0.53(mm)

1	EPA	TCX 1	TCX 2	DCB 1	DCB 2	OTHER	OTHER	TOT
	SAMPLE NO.	%REC #	%REC #	%REC #	%REC #	(1)	(2)	OUT
	=========	=====	=====	=====	=====	=====	=====	===
01	PBLK01	76	76	92	100			0
02	PBLK02	92	92	92	100			0
03	E0083DL	52	118	94	100			0
04	E0084DL	56	72	111_	106			0
05	E0082DL	80	107	52	* 160D			0
06	E0093DL	63	74	68	132			0
07	E0095DL	74	79	53	74			0
08	E0090DL	69	88	<b>*</b> 26D	100			0
09	E0088DL	× 171D	94	88	135			0
10	E0076DL	63	81	<b>★</b> 238D	* 175D			0
11	E0097DL	95	120	70	110			.0
12	E0096	75	75	65	65			0
13	E0087DL .	48	117	* 21D	<b>≯</b> 228D			0
14	E0074	69	75	51	69			0
15	E0075	58	63	116	58			0
16	E0076	48	88	169*	144			1
17	E0082	50	80	33	100			0
18	E0083	59	58	65	71			0
19	E0084	37	67	53	56			0
20	E0085	62	73	38	93			0
21	E0086	62	69	54	75			0
22	E0086MS	59	69	51	69			0
23	E0086MSD	. 55	69	44	61			0
24	E0087	44	94	8*	111			1
25	E0088	165*	76	45	88			1
26	E0089	71	71	55	65			0
27	E0090	43	69	24*	58			1
28	E0093	63	58	42	49			0
29	E0094	52	62	47	52			0
30	E0095	68	68	63	74			0
	1							

QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene S2 (DCB) = Decachlorobiphenyl

(30-150)

(30-150)

# Column to be used to flag recovery values
* Values outside of QC limits

D Surrogate diluted out

OLM04.3

# SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32839 SAS No.:

SDG No.: E0074

GC Column(1):DB5

ID:0.53 (mm) GC Column(2):DB35 ID:0.53 (mm)

. 1	EPA	TCX 1	TCX 2	DCB 1	DCB 2	OTHER	OTHER	TOT
	SAMPLE NO.	%REC #	%REC #	%REC #	%REC #	(1)	(2)	OUT
	=========	=====	=====	======	======	=====	=====	0
01	E0097	65	85	36	85			1 1
02	E0092	57	67	114	810*			<del>                                     </del>
03	E0091	48	58	43	153*			
04								
05								<del> </del>
06								<del> </del>
07								
08								<del>  -  </del>
09	122	-						
10	de							<del> </del>
11	14							<del> </del>
12								
13			ļ					<del>                                     </del>
14 15					<del> </del>			+-1
15			<u> </u>					+
16								
17		<u> </u>			<del> </del>	-		+
18		ļ			<del> </del>			+
19 20		ļ	-	<del> </del>				1
20				ļ			<del> </del>	1
21			<del> </del>	<u> </u>			<del> </del>	<del> </del>
22 23						<u> </u>	+	<del>                                     </del>
23			<u> </u>	<del> </del>	-	<del>                                     </del>	-	<del> </del>
24 25			<del> </del>				<u> </u>	<del> </del>
25		<del> </del>						+
26			1-				-	<del>                                     </del>
27				<del> </del>	-	<del>                                     </del>	<del> </del>	+
28					<del></del>	<del> </del>		+
29				<del></del>		<del> </del>	+	+
30			<u> </u>			<u> </u>	<u> </u>	I

QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (30-150) S2 (DCB) = Decachlorobiphenyl (30-150)

S2 (DCB) = Decachlorobiphenyl

# Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

# SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix Spike - EPA Sample No.: E0086

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC # =====	QC. LIMITS REC.
gamma-BHC (Lindane)	20	0.00	11	55	46-127
Heptachlor	20	0.00	9.9	50_	35-130
Aldrin	20	0.00	13	65	34-132
Dieldrin	40	0.00	25	63	31-134
Endrin	40	0.00	24	60	42-139
4,4'-DDT	40	0.00	24	60	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC L: RPD	MITS REC.
gamma-BHC (Lindane)	20	10	50	10	50	46-127
Heptachlor	20	9.1	46	8	31	35-130
Aldrin	20	12	60	8	43	34-132
Dieldrin	40	24	60	5	38	31-134
Endrin	40	22	55	9	45	42-139
4,4'-DDT	40	32	80	29	50	23-134

- # Column to be used to flag recovery and RPD values with an asterisk
- * Values outside of QC limits

RPD: 0 out of 6 outside limits Spike Recovery: 0 out of 12 outside limits

COMMENTS:		· · · · · · · · · · · · · · · · · · ·

PBLK01	
EDTIKOT	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Lab Sample ID: P0506-B6

Lab File ID:

Matrix (soil/water) SOIL

Extraction: (Type) SONC

Sulfur Cleanup (Y/N) N

Date Extracted: 05/06/04

Date Analyzed (1): 05/19/04

Date Analyzed (2): 05/19/04

Time Analyzed (1): 0858

Time Analyzed (2): 0858

Instrument ID (1): GC7

Instrument ID (2): GC7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	DATE	DATE
	SAMPLE NO.	SAMPLE ID	ANALYZED 1	ANALYZED 2
^1	======================================	040369-01	05/20/04	05/20/04
01 02	E0074	040369-01	03/20/04	03/20/04
03				
04				
05				
06				
07	·			
08 09				
10				
11	· · · · · · · · · · · · · · · · · · ·			
12				
13				
14				
15 16				
17				
18				
19				
20				
21				
.22				
23 24				
25				
26				

COMMENTS:		

### PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK02	

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Lab Sample ID: P0510-B1

Lab File ID:

Matrix (soil/water) SOIL

Extraction: (Type) SONC

Sulfur Cleanup (Y/N) N

Date Extracted: 05/10/04

Date Analyzed (1): 05/19/04

Date Analyzed (2): 05/19/04

Time Analyzed (1): 0933

Time Analyzed (2): 0933

Instrument ID (1): GC7

Instrument ID (2): GC7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	DATE	DATE
	SAMPLE NO.	SAMPLE ID	ANALYZED 1	ANALYZED 2
			=======	========
01	E0083DL	040369-05DL	05/19/04	05/19/04
02	E0084DL	040369-06DL	05/19/04	05/19/04
03	E0082DL	040369-04DL	05/19/04	05/19/04
04	E0093DL	040369-15DL	05/19/04	05/19/04
05	E0095DL	040369-17DL	05/19/04	05/19/04
06	E0090DL	040369-12DL	05/19/04	05/19/04
07	E0088DL	040369-10DL	05/19/04	05/19/04
80	E0076DL	040369-03DL	05/19/04	05/19/04
09	E0097DL	040369-19DL	05/19/04	05/19/04
10	E0096	040369-18	05/20/04	05/20/04
11	E0087DL	040369-09DL	05/20/04	05/20/04
12	E0075	040369-02	05/20/04	05/20/04
13	E0076	040369-03	05/20/04	05/20/04
14	E0082	040369-04	05/20/04	05/20/04
15	E0083	040369-05	05/20/04	05/20/04
16	E0084	040369-06	05/20/04	05/20/04
17	E0085	040369-07	05/21/04	05/21/04
18	E0086	040369-08	05/21/04	05/21/04
19	E0086MS	040369-08MS	05/21/04	05/21/04
20	E0086MSD	040369-08MSD	05/21/04	05/21/04
21	E0087	040369-09	05/22/04	05/22/04
. 22	E0088	040369-10	05/22/04	05/22/04
23	E0089	040369-11	05/22/04	05/22/04
24	E0090	040369-12	05/23/04	05/23/04
25	E0093	040369-15	05/23/04	05/23/04
26	E0094	040369-16	05/23/04	05/23/04

COMMENTS:				
		-		

# PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab Sample ID: P0510-B1

Lab File ID: _____

Matrix (soil/water) SOIL

Extraction: (Type) SONC

Sulfur Cleanup (Y/N) N

Date Extracted: 05/10/04

Date Analyzed (1): 05/19/04

Date Analyzed (2): 05/19/04

Time Analyzed (1): 0933

Time Analyzed (2): 0933

Instrument ID (1): GC7

Instrument ID (2): GC7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA	LAB	DATE	DATE
	SAMPLE NO.	SAMPLE ID	ANALYZED 1	ANALYZED 2
:	========		=========	========
01	E0095	040369-17	05/23/04	05/23/04
02	E0097	040369-19	05/23/04	05/23/04
03	E0092	040369-14	05/23/04	05/23/04
04	E0091	040369-13	05/24/04	05/24/04
05	•			
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19		,		
20				
21				
22				
23				
24				
25				
26				<u> </u>

COMMENTS:		

page 2 of 2

FORM IV PEST

OLM04.3

EPA SAMPLE NO.

E0074

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-01

Sample wt/vol: 30.1(g/mL) G

Lab File ID:

% Moisture: 16 Decanted: (Y/N) N

Date Received: 05/05/04

Extraction: (Type) SONC

Date Extracted: 05/06/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/20/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q

319-84-6   alpha-BHC   2.0   U				
319-85-7   beta-BHC	319-84-6	alpha-BHC	2.0	U
319-86-8   delta-BHC   2.0   U				
58-89-9         gamma-BHC (Lindane)         2.0         U           76-44-8         Heptachlor         2.0         U           309-00-2         Aldrin         2.0         U           1024-57-3         Heptachlor epoxide         2.0         U           959-98-8         Endosulfan I         2.0         U           60-57-1         Dieldrin         3.9         U           72-55-9         4,4'-DDE         3.9         U           72-55-9         4,4'-DDE         3.9         U           72-20-8         Endrin         3.9         U           72-54-8         4,4'-DDD         3.9         U           1031-07-8         Endosulfan sulfate         3.9         U           50-29-3         4,4'-DDT         3.9         U           72-43-5         Methoxychlor         2.0         U           53494-70-5         Endrin ketone         3.9         U           7421-93-4         Endrin aldehyde         3.9         U           5103-71-9         alpha-Chlordane         2.0         U           5013-74-2         gamma-Chlordane         2.0         U           8001-35-2         Toxaphene         200		delta-BHC		_
76-44-8         Heptachlor         2.0         U           309-00-2         Aldrin         2.0         U           1024-57-3         Heptachlor epoxide         2.0         U           959-98-8         Endosulfan I         2.0         U           60-57-1         Dieldrin         3.9         U           72-55-9         4,4'-DDE         3.9         U           72-20-8         Endrin         3.9         U           3213-65-9         Endosulfan II         3.9         U           72-54-8         4,4'-DDD         3.9         U           1031-07-8         Endosulfan sulfate         3.9         U           50-29-3         4,4'-DDT         20         U           72-43-5         Methoxychlor         20         U           53494-70-5         Endrin ketone         3.9         U           7421-93-4         Endrin aldehyde         3.9         U           5103-74-2         gamma-Chlordane         2.0         U           5013-74-2         gamma-Chlordane         2.0         U           12674-11-2         Aroclor-1016         39         U           1104-28-2         Aroclor-1221         39 <t< td=""><td></td><td></td><td></td><td></td></t<>				
309-00-2   Aldrin   2.0   U				
1024-57-3   Heptachlor epoxide   2.0   U   959-98-8   Endosulfan I   3.9   U   60-57-1   Dieldrin   3.9   U   72-55-9   4,4'-DDE   3.9   U   3213-65-9   Endosulfan II   3.9   U   72-54-8   4,4'-DDD   3.9   U   1031-07-8   Endosulfan II   3.9   U   1031-07-8   Endosulfan sulfate   3.9   U   72-43-5   Methoxychlor   3.9   U   72-43-5   Methoxychlor   20   U   72-43-5   Methoxychlor   3.9   U   7421-93-4   Endrin aldehyde   3.9   U   5103-71-9   alpha-Chlordane   2.0   U   8001-35-2   Toxaphene   2.0   U   8001-35-2   Toxaphene   2.0   U   1104-28-2   Aroclor-121   39   U   11141-16-5   Aroclor-1232   39   U   12672-29-6   Aroclor-1242   39   U   12672-29-6   Aroclor-1248   39   U   11097-69-1   Aroclor-1254   39   U   1097-69-1   Aroclor-1254   39   U   1097-69-1   Aroclor-1254   39   U   1097-69-1   Aroclor-1254   39   U   1097-69-1   Aroclor-1254   39   U   1097-69-1   Aroclor-1254   39   U   1097-69-1   Aroclor-1254   39   U   1097-69-1   Aroclor-1254   39   U   1097-69-1   Aroclor-1254   39   U   1097-69-1   Aroclor-1254   39   U   1097-69-1   Aroclor-1254   39   U   1097-69-1   Aroclor-1254   39   U   1097-69-1   Aroclor-1254   39   U   1097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U   10097-69-1   Aroclor-1254   39   U				
959-98-8         Endosulfan I         3.9         U           60-57-1         Dieldrin         3.9         U           72-55-9         4,4'-DDE         3.9         U           72-20-8         Endrin         3.9         U           33213-65-9         Endosulfan II         3.9         U           72-54-8         4,4'-DDD         3.9         U           1031-07-8         Endosulfan sulfate         3.9         U           50-29-3         4,4'-DDT         3.9         U           72-43-5         Methoxychlor         3.9         U           53494-70-5         Endrin ketone         3.9         U           7421-93-4         Endrin aldehyde         3.9         U           5103-71-9         alpha-Chlordane         2.0         U           8001-35-2         Toxaphene         2.0         U           12674-11-2         Aroclor-1016         39         U           1104-28-2         Aroclor-1221         39         U           1141-16-5         Aroclor-1232         39         U           12672-29-6         Aroclor-1248         39         U           11097-69-1         Aroclor-1254         39         <		Heptachlor epoxide		
10				
72-55-9       4,4'-DDE         72-20-8       Endrin         33213-65-9       Endosulfan II         72-54-8       4,4'-DDD         1031-07-8       Endosulfan sulfate         50-29-3       4,4'-DDT         72-43-5       Methoxychlor         53494-70-5       Endrin ketone         7421-93-4       Endrin aldehyde         5103-71-9       alpha-Chlordane         5103-74-2       gamma-Chlordane         8001-35-2       Toxaphene         12674-11-2       Aroclor-1016         11104-28-2       Aroclor-1221         1141-16-5       Aroclor-1232         53469-21-9       Aroclor-1242         11097-69-1       Aroclor-1254				
72-20-8       Endrin       3.9       U         33213-65-9       Endosulfan II       3.9       U         72-54-8       4,4'-DDD       3.9       U         1031-07-8       Endosulfan sulfate       3.9       U         50-29-3       4,4'-DDT       3.9       U         72-43-5       Methoxychlor       20       U         53494-70-5       Endrin ketone       3.9       U         7421-93-4       Endrin aldehyde       3.9       U         5103-71-9       alpha-Chlordane       2.0       U         8001-35-2       gamma-Chlordane       2.0       U         8001-35-2       Toxaphene       200       U         1104-28-2       Aroclor-1016       39       U         11141-16-5       Aroclor-1221       79       U         1141-16-5       Aroclor-1232       39       U         53469-21-9       Aroclor-1242       39       U         12672-29-6       Aroclor-1248       39       U         11097-69-1       Aroclor-1254       39       U		4,4'-DDE		
33213-65-9   Endosulfan II   3.9   U   1031-07-8   Endosulfan sulfate   3.9   U   1031-07-8   Endosulfan sulfate   3.9   U   1031-07-8   Endosulfan sulfate   3.9   U   1050-29-3   4,4'-DDT   2.0   U   1050-29-3   4,4'-DDT   2.0   U   1050-29-3   Endrin ketone   3.9   U   1050-29-3   Endrin ketone   3.9   U   1050-29-3   Endrin aldehyde   3.9   U   1050-29-3   Endrin aldehyde   3.9   U   1050-29-3   Endrin aldehyde   2.0   U   1050-29-3   Endrin aldehyde   2.0   U   1050-29-3   Endrin aldehyde   2.0   U   1050-29-3   Endrin aldehyde   2.0   U   1050-29-3   Endrin aldehyde   2.0   U   1050-29-3   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   Endrin aldehyde   2.0   U   1050-29-4   En			_ , _ ,	
72-54-8       4,4'-DDD         1031-07-8       Endosulfan sulfate         50-29-3       4,4'-DDT         72-43-5       Methoxychlor         53494-70-5       Endrin ketone         7421-93-4       Endrin aldehyde         5103-71-9       alpha-Chlordane         5103-74-2       gamma-Chlordane         8001-35-2       Toxaphene         12674-11-2       Aroclor-1016         11104-28-2       Aroclor-1221         11141-16-5       Aroclor-1232         39       U         12672-29-6       Aroclor-1242         39       U         12672-29-6       Aroclor-1254		Endosulfan II		
1031-07-8       Endosulfan sulfate       3.9       U         50-29-3       4,4'-DDT       3.9       U         72-43-5       Methoxychlor       20       U         53494-70-5       Endrin ketone       3.9       U         7421-93-4       Endrin aldehyde       3.9       U         5103-71-9       alpha-Chlordane       2.0       U         8001-35-2       gamma-Chlordane       2.0       U         8001-35-2       Toxaphene       200       U         12674-11-2       Aroclor-1016       39       U         1104-28-2       Aroclor-1221       79       U         1141-16-5       Aroclor-1232       39       U         53469-21-9       Aroclor-1242       39       U         12672-29-6       Aroclor-1248       39       U         1097-69-1       Aroclor-1254       39       U				
50-29-3       4,4'-DDT         72-43-5       Methoxychlor         53494-70-5       Endrin ketone         7421-93-4       Endrin aldehyde         5103-71-9       alpha-Chlordane         2.0       U         5103-74-2       gamma-Chlordane         8001-35-2       Toxaphene         12674-11-2       Aroclor-1016         11104-28-2       Aroclor-1221         11141-16-5       Aroclor-1232         53469-21-9       Aroclor-1242         12672-29-6       Aroclor-1248         39       U         1097-69-1       Aroclor-1254		Endosulfan sulfate		
Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tendric   Tend		4,4'-DDT		
53494-70-5       Endrin Retone         7421-93-4       Endrin aldehyde         5103-71-9       alpha-Chlordane         5103-74-2       gamma-Chlordane         8001-35-2       Toxaphene         12674-11-2       Aroclor-1016         11104-28-2       Aroclor-1221         11141-16-5       Aroclor-1232         53469-21-9       Aroclor-1242         12672-29-6       Aroclor-1248         39       U         1097-69-1       Aroclor-1254	72-43-5	Methoxychlor		
7421-93-4       Endrin aldehyde       3.9       0         5103-71-9       alpha-Chlordane       2.0       0         5103-74-2       gamma-Chlordane       2.0       0         8001-35-2       Toxaphene       200       0         12674-11-2       Aroclor-1016       39       0         11104-28-2       Aroclor-1221       79       0         11141-16-5       Aroclor-1232       39       0         53469-21-9       Aroclor-1242       39       0         12672-29-6       Aroclor-1248       39       0         11097-69-1       Aroclor-1254       39       0	53494-70-5	Endrin ketone		
Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sindardia   Sind		Endrin aldehyde		
Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sindarian   Sind	5103-71-9			
1001-35-2   Tokaphene   39   U	5103-74-2	gamma-Chlordane		•
12674-11-2       Aroclor-1016       39       U         11104-28-2       Aroclor-1221       79       U         11141-16-5       Aroclor-1232       39       U         53469-21-9       Aroclor-1242       39       U         12672-29-6       Aroclor-1248       39       U         11097-69-1       Aroclor-1254       39       U	8001-35-2	Toxaphene		
11104-28-2       Aroclor-1221         11141-16-5       Aroclor-1232         53469-21-9       Aroclor-1242         12672-29-6       Aroclor-1248         11097-69-1       Aroclor-1254		Aroclor-1016		
11141-16-5     Aroctor-1232       53469-21-9     Aroclor-1242       12672-29-6     Aroclor-1248       11097-69-1     Aroclor-1254	11104-28-2	Aroclor-1221	1	
12672-29-6   Aroclor-1248   39 U	11141-16-5			
12672-29-6 Afoctor-1240 11097-69-1 Aroclor-1254 39 U	53469-21-9			
11097-69-1 Aroctor-1254	12672-29-6			
11096-82-5 Aroclor-1260 39 U	11097-69-1			
	11096-82-5	Aroclor-1260	39	U

### PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0075

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-02

Sample wt/vol: 30.0(g/mL) G

Lab File ID:

% Moisture: 29 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/20/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

411		7.7	—
319-84-6	alpha-BHC 2.4		
319-85-7	beta-BHC 2.4		
319-86-8	delta-BHC 2.4		
58-89-9	gamma-BHC (Lindane) 2.4		
76-44-8	Heptachlor 2.4		
309-00-2	Aldrin 2.4		
1024-57-3	Heptachlor epoxide 2.4		
959-98-8	Endosulfan I 2.4		
60-57-1	Dieldrin 4.6		
72-55-9	4,4'-DDE 4.6		
72-20-8	Endrin 4.6		
33213-65-9	Endosulfan II 4.6		
72-54-8	4,4'-DDD 4.6		
1031-07-8	Endosulfan sulfate 4.6		
50-29-3	4,4'-DDT 4.6		
72-43-5	Methoxychlor 24		
53494-70-5	Endrin ketone 4.6		
7421-93-4	Endrin aldehyde 4.6		
5103-71-9	alpha-Chlordane 2.4		
5103-74-2	gamma-Chlordane 2.4		
8001-35-2	Toxaphene 240		
12674-11-2	Aroclor-1016 46		
11104-28-2	Aroclor-1221 94		
11141-16-5	Aroclor-1232 46		
53469-21-9	Aroclor-1242 46		
12672-29-6	Aroclor-1248 46		
11097-69-1	Aroclor-1254 46		
11096-82-5	Aroclor-1260 46	U	

## PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0076

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-03

Sample wt/vol: 30.1(g/mL) G

Lab File ID:

% Moisture: 19 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/20/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.0

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	2.1 U
319-85-7	beta-BHC	2.3. P
319-86-8	delta-BHC	2.1 U
58-89-9	gamma-BHC (Lindane)	2.1 U
76-44-8	Heptachlor	2.1 U
309-00-2	Aldrin	2.1 U
1024-57-3	Heptachlor epoxide	19 P
959-98-8	Endosulfan I	2.1 U
60-57-1	Dieldrin	4.1 U
72-55-9	4,4'-DDE	4.1 U
72-20-8	Endrin	4.1 U
33213-65-9	Endosulfan II	4.1 U
72-54-8	4,4'-DDD	4.1 <u>U</u>
1031-07-8	Endosulfan sulfate	4.1 U
50-29-3	4,4'-DDT	4.1 U
72-43-5	Methoxychlor	21 U
53494-70-5	Endrin ketone	4.1 U
7421-93-4	Endrin aldehyde	4.1 U
5103-71-9	alpha-Chlordane	6.0 P
5103-74-2	gamma-Chlordane	2.1 U
8001-35-2	Toxaphene	210 U
12674-11-2	Aroclor-1016	41 U
11104-28-2	Aroclor-1221	82 U
11141-16-5	Aroclor-1232	41 U
53469-21-9	Aroclor-1242	41 U
12672-29-6	Aroclor-1248	41 U
11097-69-1	Aroclor-1254	41 U
11096-82-5	Aroclor-1260	. 41 U

### PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0076DL

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-03DL

Sample wt/vol: 30.1(g/mL) G

Lab File ID:

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/19/04

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 4.0 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

*		
319-84-6	alpha-BHC 21	U
319-85-7	beta-BHC 21	U
319-86-8	delta-BHC 21	U
58-89-9	gamma-BHC (Lindane) 21	U
76-44-8	Heptachlor 21	U
309-00-2	Aldrin 21	U
1024-57-3	Heptachlor epoxide 21	Ū
959-98-8	Endosulfan I 21	U
60-57-1	Dieldrin 41	U
72-55-9.	4,4'-DDE 41	U
72-20-8	Endrin 41	U
33213-65-9	Endosulfan II 41	U
72-54-8	4,4'-DDD 41	Ū
1031-07-8	Endosulfan sulfate 41	U
50-29-3	4,4'-DDT 41	U
72-43-5	Methoxychlor 210	U
53494-70-5	Endrin ketone 41	U
7421-93-4	Endrin aldehyde 41	U
5103-71-9	alpha-Chlordane 21	U
5103-74-2	gamma-Chlordane 21	Ū
8001-35-2	Toxaphene 2100	U
12674-11-2	Aroclor-1016 410	U
11104-28-2	Aroclor-1221 820	Ŭ
11141-16-5	Aroclor-1232 410	U
53469-21-9	Aroclor-1242 410	Ü
12672-29-6	Aroclor-1248 410	U
11097-69-1	Aroclor-1254 410	U
11096-82-5	Aroclor-1260 410	U

E0082

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-04

Sample wt/vol: 30.1(g/mL) G

Lab File ID:

% Moisture: 11 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/20/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 9.4

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	2.7	P
319-86-8	delta-BHC	1.9	Ū
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	Ū
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	Ŭ
72-55-9	4,4'-DDE	9.8	Р
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	53	P
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	24	P
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	7.2	
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

E0082DL

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-04DL

Sample wt/vol: 30.1(g/mL) G

Lab File ID:

% Moisture: 11 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/19/04

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y

pH: 9.4

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

450			
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	37	Ū
72-55-9	4,4'-DDE	37	U
72-20-8	Endrin	37	U
33213-65-9	Endosulfan II	37	U
72-54-8	4,4'-DDD	. 37	U
1031-07-8	Endosulfan sulfate	37	U
50-29-3	4,4'-DDT	64	DP
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	37	U
7421-93-4	Endrin aldehyde	37	U
5103-71-9	alpha-Chlordane	19	U
5103-74-2	gamma-Chlordane	19	U
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor-1016	370	U
11104-28-2	Aroclor-1221	750	U ·
11141-16-5	Aroclor-1232	370	U
53469-21-9	Aroclor-1242	370	U
12672-29-6	Aroclor-1248	370	U
11097-69-1	Aroclor-1254	370	U
11096-82-5	Aroclor-1260	370	U

### PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0083
-------

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-05

Sample wt/vol: 30.5(g/mL) G

Lab File ID:

% Moisture: 23 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/20/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u> Q

319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	9.3	P
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	22	
72-20-8	Endrin	5.5	Р
33213-65-9	Endosulfan II	25	P
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	26	P
72-43-5	Methoxychlor	36	P
53494-70-5	Endrin ketone	37	Р
7421-93-4	Endrin aldehyde	20	P
5103-71-9	alpha-Chlordane	29	P
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	Ü
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	Ū
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	. 42	U

E0083DL

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-05DL

Sample wt/vol: 30.5(g/mL) G

Lab File ID:

Date Received: 05/07/04

% Moisture: 23 Decanted: (Y/N) N

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/19/04

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y

pH: 5.0

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q

319-84-6   alpha-BHC			2.2	U
319-85-7   Deta-BHC   22   U				
Section	319-85-7			
Section	319-86-8			_
Test	58-89-9	gamma-BHC (Lindane)		
1024-57-3   Heptachlor epoxide   22   U     959-98-8   Endosulfan I   22   U     60-57-1   Dieldrin   42   U     72-55-9   4,4'-DDE   42   U     72-20-8   Endrin   59   D     72-20-8   Endosulfan II   59   D     72-54-8   4,4'-DDD   42   U     1031-07-8   Endosulfan sulfate   42   U     50-29-3   4,4'-DDT   42   U     72-43-5   Methoxychlor   220   U     7421-93-4   Endrin aldehyde   42   U     5103-71-9   alpha-Chlordane   22   DP     5103-74-2   gamma-Chlordane   22   U     8001-35-2   Toxaphene   2200   U     1104-28-2   Aroclor-121   860   U     1141-16-5   Aroclor-1232   420   U     53469-21-9   Aroclor-1242   420   U     12672-29-6   Aroclor-1254   420   U     11097-69-1   Aroclor-1254   420   U	76-44-8	Heptachlor		
1024-57-3   Reptain of Power   1029-98-8   Endosulfan I   22   U   100-57-1   Dieldrin   42   U   100-57-1   Dieldrin   42   U   100-57-55-9   4,4'-DDE   42   U   100-57-55-9   4,4'-DDE   42   U   100-57-55-9   Endosulfan II   59   D   100-57-56-9   Endosulfan II   59   D   100-57-56-9   Endosulfan Sulfate   42   U   100-57-56-9   Endosulfan Sulfate   42   U   100-57-56-9   Endosulfan Sulfate   42   U   100-57-56-9   Endosulfan Sulfate   42   U   100-57-56-9   Endosulfan Sulfate   42   U   100-57-56-9   Endosulfan Sulfate   42   U   100-57-56-9   Endrin Retone   42   U   100-57-56-9   Endrin Retone   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-69-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   42   U   100-57-56-9   Endrin Aldehyde   100-57-56-9   Endrin Aldehyde   100-57-56-9   Endrin Aldehyde   100-57-56-9   Endrin Aldehyde   100-57-56-9   Endrin Aldehyde   100-57-56-9   Endrin Aldehyde   100-57-56-9   Endrin Aldehyde   100-57-56-9	309-00-2	Aldrin		
959-98-8	1024-57-3	Heptachlor epoxide		
10-57-1   Dietarn   12-55-9   4,4'-DDE   12-55-9   4,4'-DDE   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12-55-9   12		Endosulfan I		
72-55-9       4,4*-DDE         72-20-8       Endrin         33213-65-9       Endosulfan II         72-54-8       4,4*-DDD         1031-07-8       Endosulfan sulfate         50-29-3       4,4*-DDT         72-43-5       Methoxychlor         220       U         53494-70-5       Endrin ketone         7421-93-4       Endrin aldehyde         5103-71-9       alpha-Chlordane         22       U         8001-35-2       Toxaphene         12674-11-2       Aroclor-1016         1104-28-2       Aroclor-1232         420       U         13469-21-9       Aroclor-1242         420       U         12672-29-6       Aroclor-1248         420       U         1097-69-1       Aroclor-1254	60-57-1	Dieldrin		
72-20-8         Endrin         42         U           33213-65-9         Endosulfan II         59         D           72-54-8         4,4'-DDD         42         U           1031-07-8         Endosulfan sulfate         42         U           50-29-3         4,4'-DDT         42         U           72-43-5         Methoxychlor         220         U           53494-70-5         Endrin ketone         42         U           7421-93-4         Endrin aldehyde         42         U           5103-71-9         alpha-Chlordane         22         DP           5103-74-2         gamma-Chlordane         22         U           8001-35-2         Toxaphene         2200         U           12674-11-2         Aroclor-1016         420         U           11141-16-5         Aroclor-1232         420         U           53469-21-9         Aroclor-1242         420         U           12672-29-6         Aroclor-1248         420         U           11097-69-1         Aroclor-1254         420         U	72-55-9	4,4'-DDE		
T2-54-8	1			
72-54-8       4,4'-DDD       42       U         1031-07-8       Endosulfan sulfate       42       U         50-29-3       4,4'-DDT       42       U         72-43-5       Methoxychlor       220       U         53494-70-5       Endrin ketone       42       U         7421-93-4       Endrin aldehyde       42       U         5103-71-9       alpha-Chlordane       22       DP         5103-74-2       gamma-Chlordane       22       U         8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       860       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U         11097-69-1       Aroclor-1254       420       U	33213-65-9	Endosulfan II		
1031-07-8       Endosulfan sulfate       42       U         50-29-3       4,4'-DDT       42       U         72-43-5       Methoxychlor       220       U         53494-70-5       Endrin ketone       42       U         7421-93-4       Endrin aldehyde       42       U         5103-71-9       alpha-Chlordane       22       DP         5103-74-2       gamma-Chlordane       22       U         8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       860       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U         11097-69-1       Aroclor-1254       420       U		4,4'-DDD		
50-29-3       4,4'-DDT       42       U         72-43-5       Methoxychlor       220       U         53494-70-5       Endrin ketone       42       U         7421-93-4       Endrin aldehyde       42       U         5103-71-9       alpha-Chlordane       22       DP         5103-74-2       gamma-Chlordane       22       U         8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       860       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U         11097-69-1       Aroclor-1254       420       U				
72-43-5       Methoxychlor       220       U         53494-70-5       Endrin ketone       42       U         7421-93-4       Endrin aldehyde       42       U         5103-71-9       alpha-Chlordane       22       DP         5103-74-2       gamma-Chlordane       22       U         8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       860       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U         11097-69-1       Aroclor-1254       420       U				
53494-70-5       Endrin ketone       42       U         7421-93-4       Endrin aldehyde       42       U         5103-71-9       alpha-Chlordane       22       DP         5103-74-2       gamma-Chlordane       22       U         8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         1104-28-2       Aroclor-1221       860       U         1141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U         11097-69-1       Aroclor-1254       420       U				
7421-93-4       Endrin aldehyde       42       U         5103-71-9       alpha-Chlordane       22       DP         5103-74-2       gamma-Chlordane       22       U         8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       860       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U         11097-69-1       Aroclor-1254       420       U		Endrin ketone		
5103-71-9       alpha-Chlordane       22       DP         5103-74-2       gamma-Chlordane       22       U         8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       860       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U         11097-69-1       Aroclor-1254       420       U		Endrin aldehyde		
5103-74-2       gamma-Chlordane       22       U         8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       860       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U         11097-69-1       Aroclor-1254       420       U				
8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       860       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U         11097-69-1       Aroclor-1254       420       U		gamma-Chlordane		•
12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       860       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U         11097-69-1       Aroclor-1254       420       U	8001-35-2			
11104-28-2       Aroclor-1221       860       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U         11097-69-1       Aroclor-1254       420       U				
11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U         11097-69-1       Aroclor-1254       420       U				
53469-21-9         Aroclor-1242         420         U           12672-29-6         Aroclor-1248         420         U           11097-69-1         Aroclor-1254         420         U		Aroclor-1232		
12672-29-6 Aroclor-1248 420 U 11097-69-1 Aroclor-1254 420 U				
11097-69-1 Aroclor-1254 420 U				
			420	
			420	Ū

EPA SAMPLE NO.

E0084

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-06

Sample wt/vol: 30.0(g/mL) G

Lab File ID: _____

Date Received: 05/07/04

% Moisture: 24 Decanted: (Y/N) N

Date Extracted: 05/10/04

Extraction: (Type) SONC

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/20/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.4 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	6.2	Р
959-98-8	Endosulfan I	2.2	Ü
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	15	
72-20-8	Endrin	6.7	P
33213-65-9	Endosulfan II	27	P
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	20	P
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	19	P
7421-93-4	Endrin aldehyde	8.7	P
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	43	U

### 1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 68-W-03-018

E0084DL

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-06DL

Sample wt/vol: 30.0(g/mL) G

Lab File ID:

% Moisture: 24 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/19/04

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 5.4 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u> Q

	-	T ++
319-84-6	alpha-BHC 22	U
319-85-7	beta-BHC 22	U
319-86-8	delta-BHC 22	Ū
58-89-9	gamma-BHC (Lindane) 22	U
76-44-8	Heptachlor 22	U
309-00-2	Aldrin 22	Ū
1024-57-3	Heptachlor epoxide 22	U
959-98-8	Endosulfan I 22	U
60-57-1	Dieldrin 43	Ū
72-55-9	4,4'-DDE 43	Ū
72-20-8	Endrin 43	U
33213-65-9	Endosulfan II 45	DP
72-54-8	4,4'-DDD 43	U
1031-07-8	Endosulfan sulfate 43	U
50-29-3	4,4'-DDT 43	U
72-43-5	Methoxychlor 220	U
53494-70-5	Endrin ketone 43	Ū
7421-93-4	Endrin aldehyde 43	U
5103-71-9	alpha-Chlordane 22	U
5103-74-2	gamma-Chlordane 22	U
8001-35-2	Toxaphene 2200	U
12674-11-2	Aroclor-1016 430	Ū
11104-28-2	Aroclor-1221 880	U
11141-16-5	Aroclor-1232 430	U
53469-21-9	Aroclor-1242 430	U
12672-29-6	Aroclor-1248 430	U
11097-69-1	Aroclor-1254 430	U
11096-82-5	Aroclor-1260 430	U

### 1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-07

Sample wt/vol: 30.2(g/mL) G Lab File ID: _____

% Moisture: 14 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/21/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u> Q

319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	Ū
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	Ū
72-55-9	4,4'-DDE	4.1	
72-20-8	Endrin	3.8	<u>U</u> 1
33213-65-9	Endosulfan II	3.8	U .
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	Ŭ
50-29-3	4,4'-DDT	3.8	U.
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	8.4	P
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	38	Ü
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

E0086 Contract: 68-W-03-018

Lab Name: CEIMIC CORP

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08

Sample wt/vol: 30.5(g/mL) G

Lab File ID:

% Moisture: 17 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/21/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q

n			T + T
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	Ū
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	Ü
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20	Ū
53494-70-5	Endrin ketone	5.2	P
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	Ü

E0086MS

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08MS

Sample wt/vol: 30.5(g/mL) G

Lab File ID: _____

% Moisture: 17 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/21/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

CAD IVO:			
210 04 6	alpha-BHC	2.0	U
319-84-6	beta-BHC	2.0	U
319-85-7		2.0	U
319-86-8	delta-BHC (Lindane)	11	Р .
58-89-9	January 200	9.9	P
76-44-8	Heptachlor	13	
309-00-2	Aldrin	2.0	Ū
1024-57-3	Heptachlor epoxide	2.0	ŢŢ
959-98-8	Endosulfan I	25	P
60-57-1	Dieldrin	3.9	Ū !
72-55-9	4,4'-DDE	24	P
72-20-8	Endrin	3.9	Ū
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	Ū
1031-07-8	Endosulfan sulfate		P
50-29-3	4,4'-DDT	24	U
72-43-5	Methoxychlor	20	TT TT
53494-70-5	Endrin ketone	3.9	
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	Ū
12672-29-6	Aroclor-1248	39	U
	Aroclor-1254	39	Ŭ
11097-69-1	Aroclor-1254 Aroclor-1260	39	U
11096-82-5	ALOCIOI-1200		

## PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0086MSD

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-08MSD

Sample wt/vol: 30.5(g/mL) G

Lab File ID:

% Moisture: 17 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/21/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

	in .	2.0	IJ
319-84-6	alpha-BHC	1.	<del>-U</del>
319-85-7	beta-BHC	2.0	
319-86-8	delta-BHC	2.0	<u>U</u>
58-89-9	gamma-BHC (Lindane)	10	P
76-44-8	Heptachlor	9.1	P
309-00-2	Aldrin	12	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I ·	2.0	U
60-57-1	Dieldrin	24	P
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	22	P
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	<u> </u>
50-29-3	4,4'-DDT	32	Р
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	Ū
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	Ū
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	3.9	U
11096-82-5	Aroclor-1260	39	U
1 11000 02 0			

E0087

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-09

Sample wt/vol: 30.3(g/mL) G

Lab File ID:

% Moisture: 27 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/22/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	2.3	Ū
319-85-7	beta-BHC	13	P
319-86-8	delta-BHC	2.3	Ū
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	Ū.
309-00-2	Aldrin	5.4	P
1024-57-3	Heptachlor epoxide	2.3	U.
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.5	U
72-55-9	4,4'-DDE	13	P
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U ·
72-54-8	4,4'-DDD	4.5	U
1031-07-8	Endosulfan sulfate	4.5	U
50-29-3	4,4'-DDT	4.5	U _
72-43-5	Methoxychlor	23	U
53494-70-5	Fndrin ketone	17	P
7421-93-4	Endrin aldehyde	4.5	Ū
5103-71-9	alpha-Chlordane	10	P
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	45	Ū
11104-28-2	Aroclor-1221	91	U
11141-16-5	Aroclor-1232	45	Ü
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	Ŭ
11097-69-1	Aroclor-1254	45	Ū
11096-82-5	Aroclor-1260	45	Ŭ

E0087DL

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-09DL

Sample wt/vol: 30.3(g/mL) G

Lab File ID:

% Moisture: 27 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/20/04

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

	**		-
319-84-6	alpha-BHC	23	U
319-85-7	beta-BHC	23.	U
319-86-8	delta-BHC	23	U
58-89-9	gamma-BHC (Lindane)	23	U
76-44-8	Heptachlor	23	U
309-00-2	Aldrin	23	U
1024-57-3	Heptachlor epoxide	23	Ū
959-98-8	Endosulfan I	23	U
60-57-1	Dieldrin	45	U
72-55-9	4,4'-DDE	45	U
72-20-8	Endrin	45	Ū
33213-65-9	Endosulfan II	45	Ū
72-54-8	4,4'-DDD	45	Ŭ
1031-07-8	Endosulfan sulfate	45	Ü
50-29-3	4,4'-DDT	45	U
72-43-5	Methoxychlor	230	U
53494-70-5	Endrin ketone	45	U
7421-93-4	Endrin aldehyde	45	U
5103-71-9	alpha-Chlordane	23	U
5103-74-2	gamma-Chlordane	23	U
8001-35-2	Toxaphene	2300	U
12674-11-2	Aroclor-1016	450	U
11104-28-2	Aroclor-1221	910	U
11141-16-5	Aroclor-1232	450	U
53469-21-9	Aroclor-1242	450	U
12672-29-6	Aroclor-1248	450	Ū
11097-69-1	Aroclor-1254	450	U
11096-82-5	Aroclor-1260	450	Ū

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0088

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-10

Sample wt/vol: 30.2(g/mL) G

Lab File ID: _____

% Moisture: 22 Decanted: (Y/N) N

Date Received: 05/07/04

Date Extracted: 05/10/04

Extraction: (Type) SONC

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/22/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Sign			2.0	T T
Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Sign	319-84-6	alpha-BHC		1
Same	319-85-7			
Total	319-86-8	delta-BHC		
76-44-8       Heptachlor       2.2       U         309-00-2       Aldrin       2.2       U         1024-57-3       Heptachlor epoxide       2.2       U         959-98-8       Endosulfan I       2.2       U         60-57-1       Dieldrin       9.9       P         72-55-9       4,4'-DDE       4.2       U         72-20-8       Endrin       8.3       P         33213-65-9       Endosulfan II       4.2       U         72-54-8       4,4'-DDD       4.2       U         1031-07-8       Endosulfan sulfate       4.2       U         50-29-3       4,4'-DDT       4.2       U         72-43-5       Methoxychlor       30       P         53494-70-5       Endrin ketone       4.2       U         7421-93-4       Endrin ketone       4.2       U         7421-93-4       Endrin aldehyde       12       P         5103-74-2       gamma-Chlordane       2.5       P         8001-35-2       Toxaphene       2.20       U         12674-11-2       Aroclor-1016       42       U         1104-28-2       Aroclor-1232       42       U	58-89-9	gamma-BHC (Lindane)		
309-00-2   Aldrin   2.2   U	76-44-8	Heptachlor		
1024-37-3   Reptation   1   2.2   U     959-98-8   Endosulfan I   9.9   P     72-55-9   4,4'-DDE   4.2   U     72-20-8   Endrin   8.3   P     33213-65-9   Endosulfan II   4.2   U     72-54-8   4,4'-DDD   4.2   U     1031-07-8   Endosulfan sulfate   4.2   U     50-29-3   4,4'-DDT   4.2   U     72-43-5   Methoxychlor   30   P     53494-70-5   Endrin ketone   4.2   U     7421-93-4   Endrin aldehyde   12   P     5103-71-9   alpha-Chlordane   4.1   E     5103-74-2   gamma-Chlordane   2.5   P     8001-35-2   Toxaphene   220   U     11104-28-2   Aroclor-1016   42   U     11104-28-2   Aroclor-1221   85   U     11114-16-5   Aroclor-1232   42   U     53469-21-9   Aroclor-1242   42   U     12672-29-6   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U     11097-69-1   Aroclor-1254   42   U	309-00-2	Aldrin		
959-98-8       Endosulfan I       2.2       U         60-57-1       Dieldrin       9.9       P         72-55-9       4,4'-DDE       4.2       U         72-20-8       Endrin       8.3       P         32213-65-9       Endosulfan II       4.2       U         72-54-8       4,4'-DDD       4.2       U         1031-07-8       Endosulfan sulfate       4.2       U         50-29-3       4,4'-DDT       4.2       U         72-43-5       Methoxychlor       30       P         53494-70-5       Endrin ketone       4.2       U         7421-93-4       Endrin aldehyde       12       P         5103-71-9       alpha-Chlordane       41       E         5103-74-2       gamma-Chlordane       2.5       P         8001-35-2       Toxaphene       220       U         12674-11-2       Aroclor-1016       42       U         11141-16-5       Aroclor-1232       85       U         1141-16-5       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         1097-69-1       Aroclor-1254       42       U <td>1024-57-3</td> <td>Heptachlor epoxide</td> <td></td> <td></td>	1024-57-3	Heptachlor epoxide		
60-57-1       Dieldrin       9.9       P         72-55-9       4,4'-DDE       4.2       U         72-20-8       Endrin       8.3       P         33213-65-9       Endosulfan II       4.2       U         72-54-8       4,4'-DDD       4.2       U         1031-07-8       Endosulfan sulfate       4.2       U         50-29-3       4,4'-DDT       4.2       U         72-43-5       Methoxychlor       30       P         53494-70-5       Endrin ketone       4.2       U         7421-93-4       Endrin aldehyde       12       P         5103-71-9       alpha-Chlordane       41       E         5103-74-2       gamma-Chlordane       2.5       P         8001-35-2       Toxaphene       220       U         1104-28-2       Aroclor-1016       42       U         11141-16-5       Aroclor-1232       85       U         112672-29-6       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         11097-69-1       Aroclor-1254       42       U		Endosulfan I		
72-55-9       4,4'-DDE       4.2       U         72-20-8       Endrin       8.3       P         33213-65-9       Endosulfan II       4.2       U         72-54-8       4,4'-DDD       4.2       U         1031-07-8       Endosulfan sulfate       4.2       U         50-29-3       4,4'-DDT       4.2       U         72-43-5       Methoxychlor       30       P         53494-70-5       Endrin ketone       4.2       U         7421-93-4       Endrin aldehyde       12       P         5103-71-9       alpha-Chlordane       41       E         5103-74-2       gamma-Chlordane       2.5       P         8001-35-2       Toxaphene       220       U         1104-28-2       Aroclor-1016       42       U         1114-16-5       Aroclor-1232       85       U         1141-16-5       Aroclor-1242       42       U         53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         11097-69-1       Aroclor-1254       42       U		Dieldrin		1
72-20-8       Endrin       8.3       P         33213-65-9       Endosulfan II       4.2       U         72-54-8       4,4'-DDD       4.2       U         1031-07-8       Endosulfan sulfate       4.2       U         50-29-3       4,4'-DDT       4.2       U         72-43-5       Methoxychlor       30       P         53494-70-5       Endrin ketone       4.2       U         7421-93-4       Endrin aldehyde       12       P         5103-71-9       alpha-Chlordane       41       E         5103-74-2       gamma-Chlordane       2.5       P         8001-35-2       Toxaphene       220       U         12674-11-2       Aroclor-1016       42       U         11104-28-2       Aroclor-1221       85       U         11141-16-5       Aroclor-1232       42       U         53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1254       42       U         11097-69-1       Aroclor-1254       42       U				,
72-54-8       4,4'-DDD       4.2       U         1031-07-8       Endosulfan sulfate       4.2       U         50-29-3       4,4'-DDT       4.2       U         72-43-5       Methoxychlor       30       P         53494-70-5       Endrin ketone       4.2       U         7421-93-4       Endrin aldehyde       12       P         5103-71-9       alpha-Chlordane       41       E         5103-74-2       gamma-Chlordane       2.5       P         8001-35-2       Toxaphene       220       U         12674-11-2       Aroclor-1016       42       U         11104-28-2       Aroclor-1221       85       U         11141-16-5       Aroclor-1232       42       U         53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         11097-69-1       Aroclor-1254       42       U				P
72-54-8       4,4'-DDD       4.2       U         1031-07-8       Endosulfan sulfate       4.2       U         50-29-3       4,4'-DDT       4.2       U         72-43-5       Methoxychlor       30       P         53494-70-5       Endrin ketone       4.2       U         7421-93-4       Endrin aldehyde       12       P         5103-71-9       alpha-Chlordane       41       E         5103-74-2       gamma-Chlordane       2.5       P         8001-35-2       Toxaphene       220       U         12674-11-2       Aroclor-1016       42       U         11141-16-5       Aroclor-1221       85       U         11141-16-5       Aroclor-1232       42       U         53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         11097-69-1       Aroclor-1254       42       U	33213-65-9	Endosulfan II		
1031-07-8       Endosulfan sulfate       4.2       U         50-29-3       4,4'-DDT       4.2       U         72-43-5       Methoxychlor       30       P         53494-70-5       Endrin ketone       4.2       U         7421-93-4       Endrin aldehyde       12       P         5103-71-9       alpha-Chlordane       41       E         5103-74-2       gamma-Chlordane       2.5       P         8001-35-2       Toxaphene       220       U         12674-11-2       Aroclor-1016       42       U         11141-16-5       Aroclor-1221       85       U         1141-16-5       Aroclor-1232       42       U         53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         11097-69-1       Aroclor-1254       42       U			4.2	U
50-29-3       4,4'-DDT       4.2       U         72-43-5       Methoxychlor       30       P         53494-70-5       Endrin ketone       4.2       U         7421-93-4       Endrin aldehyde       12       P         5103-71-9       alpha-Chlordane       41       E         5103-74-2       gamma-Chlordane       2.5       P         8001-35-2       Toxaphene       220       U         12674-11-2       Aroclor-1016       42       U         11104-28-2       Aroclor-1221       85       U         11141-16-5       Aroclor-1232       42       U         53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         1097-69-1       Aroclor-1254       42       U				
72-43-5       Methoxychlor       30       P         53494-70-5       Endrin ketone       4.2       U         7421-93-4       Endrin aldehyde       12       P         5103-71-9       alpha-Chlordane       41       E         5103-74-2       gamma-Chlordane       2.5       P         8001-35-2       Toxaphene       220       U         12674-11-2       Aroclor-1016       42       U         11104-28-2       Aroclor-1221       85       U         11141-16-5       Aroclor-1232       42       U         53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         11097-69-1       Aroclor-1254       42       U			4.2	
53494-70-5       Endrin ketone       4.2       U         7421-93-4       Endrin aldehyde       12       P         5103-71-9       alpha-Chlordane       41       E         5103-74-2       gamma-Chlordane       2.5       P         8001-35-2       Toxaphene       220       U         12674-11-2       Aroclor-1016       42       U         11104-28-2       Aroclor-1221       85       U         11141-16-5       Aroclor-1232       42       U         53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         11097-69-1       Aroclor-1254       42       U				
7421-93-4       Endrin aldehyde       12       P         5103-71-9       alpha-Chlordane       41       E         5103-74-2       gamma-Chlordane       2.5       P         8001-35-2       Toxaphene       220       U         12674-11-2       Aroclor-1016       42       U         11104-28-2       Aroclor-1221       85       U         11141-16-5       Aroclor-1232       42       U         53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         11097-69-1       Aroclor-1254       42       U		Endrin ketone	4.2	
5103-71-9       alpha-Chlordane       41       E         5103-74-2       gamma-Chlordane       2.5       P         8001-35-2       Toxaphene       220       U         12674-11-2       Aroclor-1016       42       U         11104-28-2       Aroclor-1221       85       U         11141-16-5       Aroclor-1232       42       U         53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         11097-69-1       Aroclor-1254       42       U		Endrin aldehyde	12	
S103-74-2   Galling Chiloted   S20   U	5103-71-9	alpha-Chlordane		
3001-33-2       Tokaphene         12674-11-2       Aroclor-1016         11104-28-2       Aroclor-1221         11141-16-5       Aroclor-1232         53469-21-9       Aroclor-1242         12672-29-6       Aroclor-1248         11097-69-1       Aroclor-1254	5103-74-2	gamma-Chlordane		
12674-11-2       Aroclor 1616         11104-28-2       Aroclor-1221       85       U         11141-16-5       Aroclor-1232       42       U         53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         11097-69-1       Aroclor-1254       42       U	8001-35-2	Toxaphene		
11104-28-2       Aroclor-1221       85       U         11141-16-5       Aroclor-1232       42       U         53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         11097-69-1       Aroclor-1254       42       U		Aroclor-1016		U
11141-16-5       Aroclor-1232       42       U         53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         11097-69-1       Aroclor-1254       42       U				
53469-21-9       Aroclor-1242       42       U         12672-29-6       Aroclor-1248       42       U         11097-69-1       Aroclor-1254       42       U				
12672-29-6         Aroclor-1248         42         U           11097-69-1         Aroclor-1254         42         U	53469-21-9		42	Ū
11097-69-1 Aroclor-1254 42 U		Aroclor-1248		Ū
			42	U
	11096-82-5		42	Ū

EPA SAMPLE NO.

E0088DL

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-10DL

Sample wt/vol: 30.2(g/mL) G

Lab File ID:

% Moisture: 22 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume:

Date Analyzed: 05/19/04

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 5.9

5000 (uL)

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u> Q CAS NO. COMPOUND

319-84-6   alpha-BHC   110   D     319-86-8   delta-BHC   22   U     58-89-9   gamma-BHC (Lindane)   22   U     76-44-8   Heptachlor   22   U     1024-57-3   Heptachlor epoxide   22   U     959-98-8   Endosulfan I   22   U     60-57-1   Dieldrin   42   U     72-55-9   4,4'-DDE   42   U     1031-07-8   Endosulfan II   42   U     1031-07-8   Endosulfan II   42   U     1031-07-8   Endosulfan II   42   U     1031-07-8   Endosulfan II   42   U     1031-07-8   Endosulfan II   42   U     1031-07-8   Endosulfan sulfate   42   U     1031-07-8   Endosulfan sulfate   42   U     1031-07-8   Endosulfan sulfate   42   U     1031-07-8   Endosulfan sulfate   42   U     1031-07-8   Endosulfan sulfate   42   U     1031-07-8   Endosulfan sulfate   42   U     1031-07-8   Endrin ketone   42   U     1031-07-9   alpha-Chlordane   22   U     1031-74-2   gamma-Chlordane   22   U     1031-74-2   gamma-Chlordane   22   U     1031-74-2   gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U   1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane   22   U     1031-74-2   Gamma-Chlordane	1	alpha PUC 22	Ü
319-86-8   delta-BHC   22 U	319-84-6	alpha-bhc 110	
S19-8-8   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Energy   General Ene		Deta-bit	
Telephone		uerca bite	-
1024-57-3   Heptachlor epoxide   22   U	58-89-9	gainta bite (filliagrie)	
1024-57-3	76-44-8	nepcacifici	
1024-7-5	309-00-2		
959-98-8   Endosulfan I	1024-57-3		
10	959-98-8	LINUOSULIAII I	
72-55-9       4,4 - DDB         72-20-8       Endrin         33213-65-9       Endosulfan II         72-54-8       4,4'-DDD         1031-07-8       Endosulfan sulfate         50-29-3       4,4'-DDT         72-43-5       Methoxychlor         220       U         53494-70-5       Endrin ketone         7421-93-4       Endrin aldehyde         5103-71-9       alpha-Chlordane         22       U         8001-35-2       Toxaphene         2200       U         1104-28-2       Aroclor-1016         11141-16-5       Aroclor-1221         53469-21-9       Aroclor-1242         12672-29-6       Aroclor-1248	60-57-1	1 D1C1UL11	
72-20-8       Endrin       42       U         33213-65-9       Endosulfan II       42       U         72-54-8       4,4'-DDD       42       U         1031-07-8       Endosulfan sulfate       42       U         50-29-3       4,4'-DDT       42       U         72-43-5       Methoxychlor       220       U         53494-70-5       Endrin ketone       42       U         7421-93-4       Endrin aldehyde       42       U         5103-71-9       alpha-Chlordane       22       U         8001-35-2       gamma-Chlordane       22       U         8001-35-2       Toxaphene       2200       U         1104-28-2       Aroclor-1016       420       U         11141-16-5       Aroclor-1221       850       U         11141-16-5       Aroclor-1242       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U	72-55-9		
33213-65-9   Endosulfan II	72-20-8	}	
72-54-8       4,4'-DDD       42       U         1031-07-8       Endosulfan sulfate       42       U         50-29-3       4,4'-DDT       42       U         72-43-5       Methoxychlor       220       U         53494-70-5       Endrin ketone       42       U         7421-93-4       Endrin aldehyde       42       U         5103-71-9       alpha-Chlordane       22       U         8001-35-2       Toxaphene       22       U         12674-11-2       Aroclor-1016       420       U         1104-28-2       Aroclor-1221       850       U         1141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U		ENTOCHUL III	
1031-07-8       Endosulfan sulfate       42       U         50-29-3       4,4'-DDT       42       U         72-43-5       Methoxychlor       220       U         53494-70-5       Endrin ketone       42       U         7421-93-4       Endrin aldehyde       42       U         5103-71-9       alpha-Chlordane       22       U         8001-35-2       gamma-Chlordane       22       U         8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       850       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U		1 4 4 -DDD	
50-29-3       4,4'-DDT       42       U         72-43-5       Methoxychlor       220       U         53494-70-5       Endrin ketone       42       U         7421-93-4       Endrin aldehyde       42       U         5103-71-9       alpha-Chlordane       22       U         8001-35-2       Gamma-Chlordane       22       U         8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       850       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U		I III AODAITAIT BATTACC	
72-43-5       Methoxychlor       220       U         53494-70-5       Endrin ketone       42       U         7421-93-4       Endrin aldehyde       42       U         5103-71-9       alpha-Chlordane       22       U         8001-35-2       gamma-Chlordane       22       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       850       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U		1 4,4 ⁻ DD1	
53494-70-5       Endrin ketone       42       U         7421-93-4       Endrin aldehyde       42       U         5103-71-9       alpha-Chlordane       22       U         8001-35-2       Gamma-Chlordane       22       U         12674-11-2       Aroclor-1016       420       U         1104-28-2       Aroclor-1221       850       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U		Methoxychlor 220	
7421-93-4       Endrin aldehyde       42       U         5103-71-9       alpha-Chlordane       22       U         5103-74-2       gamma-Chlordane       22       U         8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       850       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U		Endrin ketone 42	
5103-71-9       alpha-Chlordane       22       U         5103-74-2       gamma-Chlordane       22       U         8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       850       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U		I ENGLIN ALGENVAC	
S103-74-2   Galilla Cliffordatic   S200   U	5103-71-9	i dibid ciiioidaic	
8001-35-2       Toxaphene       2200       U         12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       850       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U	5103-74-2	Gaillia Cilioladic	
12674-11-2       Aroclor-1016       420       U         11104-28-2       Aroclor-1221       850       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U			
11104-28-2       Aroclor-1221       850       U         11141-16-5       Aroclor-1232       420       U         53469-21-9       Aroclor-1242       420       U         12672-29-6       Aroclor-1248       420       U		Aroclor-1016 420	
11141-16-5         Aroclor-1232         420         U           53469-21-9         Aroclor-1242         420         U           12672-29-6         Aroclor-1248         420         U			1 -
53469-21-9 Aroclor-1242 420 U 12672-29-6 Aroclor-1248 420 U		Aroclor-1232 420	
12672-29-6 Aroclor-1248 420 U		Aroclor-1242 420	
11097-69-1 Aroclor-1254 420 U			U
11096-82-5 Aroclor-1260 420 U		100	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0089

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-11

Sample wt/vol: 30.4(g/mL) G

Lab File ID:

% Moisture: 6 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/22/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q

319-84-6	alpha-BHC	1.8	U .
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	Ū
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-93-4	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	35	U .
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	Ū
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

E0090

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Sample wt/vol: 30.0(g/mL) G

Lab File ID:

% Moisture: 17 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Lab Sample ID: 040369-12

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/23/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q

		2 0	IJ
319-84-6	alpha-BHC	2.0	TT T
319-85-7	beta-BHC	2.0	
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	Ū
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	Ū
60-57-1	Dieldrin	4.0	Ū
72-55-9	4,4'-DDE	6.6	P
72-20-8	Endrin	4.0	Ū
33213-65-9	Endosulfan II	10	P
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	5.8	Р
72-43-5	Methoxychlor	20	Ü
53494-70-5	Endrin ketone	19	P
7421-93-4	Endrin aldehyde	5.7	P
5103-71-9	alpha-Chlordane	3.0	P
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	Ü .
11141-16-5	Aroclor-1232	40	Ü
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0090DL

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-12DL

Sample wt/vol: 30.0(g/mL) G

Lab File ID:

% Moisture: 17 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/19/04

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q

319-84-6	alpha-BHC	20	U
319-85-7	beta-BHC	20	U
319-86-8	delta-BHC	20	U
58-89-9	gamma-BHC (Lindane)	20	U
76-44-8	Heptachlor	20	U
309-00-2	Aldrin	20	U
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	40	U
72-55-9	4,4'-DDE	40	U
72-20-8	Endrin	40	Ū
33213-65-9	Endosulfan II	40	Ü
72-54-8	4,4'-DDD	40	U
1031-07-8	Endosulfan sulfate	40	U
50-29-3	4,4'-DDT	40	U
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin ketone	40	Ŭ
7421-93-4	Endrin aldehyde	40	Ü
5103-71-9	alpha-Chlordane	20	U
5103-74-2	gamma-Chlordane	20	U
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	400	U
11104-28-2	Aroclor-1221	810	U
11141-16-5	Aroclor-1232	400	U
53469-21-9	Aroclor-1242	400	U
12672-29-6	Aroclor-1248	400	U
11097-69-1	Aroclor-1254	400	U
11096-82-5	Aroclor-1260	400	Ü
I			

## PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0091

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-13

Sample wt/vol: 30.2(g/mL) G

Lab File ID:

% Moisture: 31 Decanted: (Y/N) Y Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/24/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	Ŭ
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	Ü
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.8	P 05260
60-57-1	Dieldrin	4.8	Ū
72-55-9	4,4'-DDE	7.2	
$\frac{72 - 33 - 3}{72 - 20 - 8}$	Endrin	4.8	U
33213-65-9	Endosulfan II	4.8	U
72-54-8	4,4'-DDD	4.8	Ŭ
1031-07-8	Endosulfan sulfate	4.8	Ū
50-29-3	4,4'-DDT	6.8	P
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	19	P
7421-93-4	Endrin aldehyde	4.8	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	48	Ŭ
11104-28-2	Aroclor-1221	96	U
11141-16-5	Aroclor-1232	48	U
53469-21-9	Aroclor-1242	48	U
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	48	U
11096-82-5	Aroclor-1260	48	U

E0092

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-14

Sample wt/vol: 30.2(g/mL) G

Lab File ID: _____

% Moisture: 38 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 50000(uL)

Date Analyzed: 05/23/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

		27	TT
319-84-6	alpha-BHC	27	U
319-85-7	beta-BHC	27	U
319-86-8	delta-BHC	27	U
58-89-9	gamma-BHC (Lindane)	27	U
76-44-8	Heptachlor	27	U
309-00-2	Aldrin	27	U
1024-57-3	Heptachlor epoxide	27	U
959-98-8	Endosulfan I	27	U
60-57-1	Dieldrin	53	U
72-55-9	4,4'-DDE	53	U .
72-20-8	Endrin	53	U
33213-65-9	Endosulfan II	53	U
72-54-8	4,4'-DDD	53	U
1031-07-8	Endosulfan sulfate	53	U
50-29-3	4,4'-DDT	53	U
72-43-5	Methoxychlor	270	Ŭ.
53494-70-5	Endrin ketone	. 90	P
7421-93-4	Endrin aldehyde	53	U
5103-71-9	alpha-Chlordane	50	P
5103-74-2	gamma-Chlordane	27	U
8001-35-2	Toxaphene	2700	U
12674-11-2	Aroclor-1016	530	U
11104-28-2	Aroclor-1221	1100	U
11141-16-5	Aroclor-1232	530	U
53469-21-9	Aroclor-1242	530	U
12672-29-6	Aroclor-1248	530	U
11097-69-1	Aroclor-1254	. 530	U
11096-82-5	Aroclor-1260	530	U

E0093

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-15

Sample wt/vol: 30.3(g/mL) G

Lab File ID:

% Moisture: 30 Decanted: (Y/N) Y

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/23/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 5.6 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u> Q

319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	Ŭ
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1.024-57-3	Heptachlor epoxide	2.6	P
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.7	Ü
72-55-9	4,4'-DDE	4.7	U
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	4.7	U
72-54-8	4,4'-DDD	4.7	U
1031-07-8	Endosulfan sulfate	4.7	Ū
50-29-3	4,4'-DDT	4.7	U
72-43-5	Methoxychlor	24	Ū
53494-70-5	Endrin ketone	4.9	P
7421-93-4	Endrin aldehyde	4.7	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	95	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	47	U
11096-82-5	Aroclor-1260	47	U

E0093DL

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

EPA SAMPLE NO.

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-15DL

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

% Moisture: 30 Decanted: (Y/N) Y Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/04

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 5.6

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC 24		<u>U </u>
319-85-7	beta-BHC 24		U
319-86-8	delta-RHC 24		U
58-89-9	gamma-BHC (Lindane) 24		U
76-44-8	Heptachlor 24		U
	Aldrin 24	E	U
309-00-2 1024-57-3	Heptachlor epoxide 24	Į.	U
959-98-8	Endosulfan I	[	U
	Dieldrin 47	7	U
60-57-1	4,4'-DDE 47	7	Ū
72-55-9	Endrin 47	7	Ū
72-20-8	Endosulfan II 47	7	Ū
33213-65-9	4,4'-DDD 47	7	U
72-54-8	Endosulfan sulfate 47	7	Ū
1031-07-8	4,4'-DDT	7	U
50-29-3	Methoxychlor 240	).	U
72-43-5	Findrin ketone 47	7	Ū
53494-70-5		7	U
7421-93-4	Ellarii araeliyae		U
5103-71-9	alpha-chiordane		U
5103-74-2	gamma-Chlordane 2400	5	U.
8001-35-2	Toxapherie		U
12674-11-2	Aroctor-1016		Ū
11104-28-2	ALOCIOI-1221		Ū
11141-16-5	Aroctor-1232		Ū
53469-21-9	AFOCIOI-1242		Ū
12672-29-6	Aroclor-1248	_	Ū
11097-69-1	Arocioi-1254		Ū
11096-82-5	Aroclor-1260 470		<u> </u>

E0094

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-16

Sample wt/vol: 30.0(g/mL) G

Lab File ID:

% Moisture: 37 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/23/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	2.7	<u>U</u>
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
58-89-9	gamma-BHC (Lindane)	2.7	U
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	2.7	U
1024-57-3	Heptachlor epoxide	2.7	U
959-98-8	Endosulfan I	2.7	Ŭ
60-57-1	Dieldrin	5.2	U
72-55-9	4,4'-DDE	5.2	Ū
72-20-8	Endrin	5.2	U
33213-65-9	Endosulfan II	5.2	U
72-54-8	4,4'-DDD	5.2	U
1031-07-8	Endosulfan sulfate	5.2	U
50-29-3	4,4'-DDT	5.2	Ü
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin ketone	6.3	P
7421-93-4	Endrin aldehyde	5.2	U
5103-71-9	alpha-Chlordane	2.7	U
5103-74-2	gamma-Chlordane	2.7	U
8001-35-2	Toxaphene	270	U
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	52	U
11096-82-5	Aroclor-1260	52	Ū

EPA SAMPLE NO.

三0095

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-17

Sample wt/vol: 30.0(g/mL) G

Lab File ID:

% Moisture: 29 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/23/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	Ū
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.6	Ü
72-55-9	4,4'-DDE	4.6	Ū
72-20-8	Endrin	4.6	Ü
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	Ü
1031-07-8	Endosulfan sulfate	4.6	Ü
50-29-3	4,4'-DDT	4.6	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	7.6	P
7421-93-4	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	94	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	Ü
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	. 46	U

## PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0095DL

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-17DL

Sample wt/vol: 30.0(g/mL) G

Lab File ID:

% Moisture: 29 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/19/04

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.5

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

	· ·		
319-84-6	alpha-BHC	24	U
319-85-7	beta-BHC	24 .	Ū
319-86-8	delta-BHC	24	U
58-89-9	gamma-BHC (Lindane)	24	U
76-44-8	Heptachlor	24	U
309-00-2	Aldrin	24	U
1024-57-3	Heptachlor epoxide	24	U
959-98-8	Endosulfan I	24	U
60-57-1	Dieldrin	46	U
72-55-9	4,4'-DDE	46	U
72-20-8	Endrin	46	U
33213-65-9	Endosulfan II	46	U
72-54-8	4,4'-DDD	46	U
1031-07-8	Endosulfan sulfate	46	U
50-29-3	4,4'-DDT	46	U
72-43-5	Methoxychlor	240	U
53494-70-5	Endrin ketone	46	U
7421-93-4	Endrin aldehyde	46	Ŭ
5103-71-9	alpha-Chlordane	24	Ū
5103-74-2	gamma-Chlordane	24	Ū
8001-35-2	Toxaphene	2400	U
12674-11-2	Aroclor-1016	460	U
11104-28-2	Aroclor-1221	940	U
11141-16-5	Aroclor-1232	460	U
53469-21-9	Aroclor-1242	460	Ū
12672-29-6	Aroclor-1248	460	U
11097-69-1	Aroclor-1254	460	Ū
11096-82-5	Aroclor-1260	. 460	Ū

EPA SAMPLE NO.

E0096

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-18

Sample wt/vol: 30.5(g/mL) G

Lab File ID:

% Moisture: 35 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/20/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	2.6	U
319-85-7	beta-BHC	2.6	U
319-86-8	delta-BHC	2.6	Ū
58-89-9	gamma-BHC (Lindane)	2.6	U
76-44-8	Heptachlor	2.6	U
309-00-2	Aldrin	2.6	U
1024-57-3	Heptachlor epoxide	2.6	U
959-98-8	Endosulfan I	2.6	U
60-57-1	Dieldrin	5.0	Ū
72-55-9	4,4'-DDE	5.0	U
72-20-8	Endrin	5.0	U
33213-65-9	Endosulfan II	5.0	Ū
72-54-8	4,4'-DDD	5.0	U
1031-07-8	Endosulfan sulfate	5.0	U
50-29-3	4,4'-DDT	5.0	U
72-43-5	Methoxychlor	26	U
53494-70-5	Endrin ketone	5.0	U
7421-93-4	Endrin aldehyde	5.0	U
5103-71-9	alpha-Chlordane	2.6	U
5103-74-2	gamma-Chlordane	2.6	U
8001-35-2	Toxaphene	260	U
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	U
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	50	U
11006-92-5	Aroclor-1260	50	TI

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0097

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.:

SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: 040369-19

Sample wt/vol: 30.3(g/mL) G

Lab File ID:

% Moisture: 35 Decanted: (Y/N) Y

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/23/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	2.6	Ŭ .
319-85-7	beta-BHC	2.6	U
319-86-8	delta-BHC	2.6	U
58-89-9	gamma-BHC (Lindane)	2.6	Ŭ
76-44-8	Heptachlor	2.6	U
309-00-2	Aldrin	2.6	U
1024-57-3	Heptachlor epoxide	11	P ·
959-98-8	Endosulfan I	2.6	Ū
60-57-1	Dieldrin	5.0	U
72-55-9	4,4'-DDE	11	P
72-20-8	Endrin	5.0	Ū
33213-65-9	Endosulfan II	5.0	U
72-54-8	4,4'-DDD	5.0	Ū
1031-07-8	Endosulfan sulfate	5.0	U
50-29-3	4,4'-DDT	5.0	U
72-43-5	Methoxychlor	26	Ū.
53494-70-5	Endrin ketone	35	P
7421-93-4	Endrin aldehyde	5.0	U
5103-71-9	alpha-Chlordane	3.3	P
5103-74-2	gamma-Chlordane	2.6	Ŭ
8001-35-2	Toxaphene	260	Ū
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	100	Ŭ
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	Ū
12672-29-6	Aroclor-1248	-50	Ū
11097-69-1	Aroclor-1254	50	U
11096-82-5	Aroclor-1260	50	Ū.

EPA SAMPLE NO.

E0097DL

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

Lab Sample ID: 040369-19DL

% Moisture: 35 Decanted: (Y/N) N

Date Received: 05/07/04

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/19/04

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.9

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q

319-84-6	alpha-BHC	26	U
319-85-7	beta-BHC	26	U
319-86-8	delta-BHC	26	U
58-89-9	gamma-BHC (Lindane)	26	Ū
76-44-8	Heptachlor	26	U
309-00-2	Aldrin	26	U
1024-57-3	Heptachlor epoxide	26	U
959-98-8	Endosulfan I	26	U
60-57-1	Dieldrin	50	U
72-55-9	4,4'-DDE	50	Ū
72-20-8	Endrin	50	U
33213-65-9	Endosulfan II	50	Ū
72-54-8	4,4'-DDD	50	Ū
$\frac{72-34-8}{1031-07-8}$	Endosulfan sulfate	50	Ū
50-29-3	4,4'-DDT	50	Ū
72-43-5	Methoxychlor	260	Ū
53494-70-5	Endrin ketone	50	Ū
7421-93-4	Endrin aldehyde	50	Ū
5103-71-9	alpha-Chlordane	26	U
5103-74-2	gamma-Chlordane	26	U
8001-35-2	Toxaphene	2600	U
12674-11-2	Aroclor-1016	500	Ū
11104-28-2	Aroclor-1221	1000	Ū
11141-16-5	Aroclor-1232	500	Ū
53469-21-9	Aroclor-1242	500	U
12672-29-6	Aroclor-1248	500	Ū
11097-69-1	Aroclor-1254	500	Ū
11096-82-5	Aroclor-1260	500	U

PBLK01

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: P0506-B6

Sample wt/vol: 30.0(g/mL) G Lab File ID:

% Moisture: 0 Decanted: (Y/N) N Date Received:

Extraction: (Type) SONC

Date Extracted: 05/06/04

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/19/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC 1.7	U
319-85-7	beta-BHC 1.7	Ū
319-86-8	delta-BHC 1.7	U
58-89-9	gamma-BHC (Lindane) 1.7	U
76-44-8	Heptachlor 1.7	Ū
309-00-2	Aldrin 1.7	Ū
1024-57-3	Heptachlor epoxide 1.7	U
959-98-8	Endosulfan I 1.7	U
60-57-1	Dieldrin 3.3	U
72-55-9	4,4'-DDE 3.3	U
72-20-8	Endrin 3.3	Ū
33213-65-9	Endosulfan II 3.3	U
72-54-8	4,4'-DDD 3.3	Ū
1031-07-8	Endosulfan sulfate 3.3	U
50-29-3	4,4'-DDT 3.3	U
72-43-5	Methoxychlor 17	U
53494-70-5	Endrin ketone 3.3	U
7421-93-4	Endrin aldehyde 3.3	U
5103-71-9	alpha-Chlordane 1.7	U
5103-74-2	gamma-Chlordane 1.7	U
8001-35-2	Toxaphene 170	U
12674-11-2	Aroclor-1016 33	U
11104-28-2	Aroclor-1221 67	U
11141-16-5	Aroclor-1232 33	U
53469-21-9	Aroclor-1242 33	U
12672-29-6	Aroclor-1248 33	Ū
11097-69-1	Aroclor-1254 33	Ü
11096-82-5	Aroclor-1260 33	U

PBLK02

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL

Lab Sample ID: P0510-B1

Sample wt/vol: 30.0(g/mL) G

Lab File ID:

% Moisture: 0 Decanted: (Y/N) N

Date Received: _____

Extraction: (Type) SONC

Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/04

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	Ū
	delta-BHC	1.7	Ū
58-89-9	gamma-BHC (Lindane)	1.7	U
76 44 9	Hontachlor	1.7	U

319-85-/	Deta-Bric	<del></del>	77
319-86-8	delta-BHC	1.7	Ŭ
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	. U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	Ü
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	Ü
5103-71-9	alpha-Chlordane	1.7	U ·
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33_	Ū
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	Ū
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: 20074 CERCLIS No: 16005454566
Case No: 32839 Site Name/Location: JoLiet Works
Contractor of EPA Lab: CEINIC Data User: 18PA
No. of Samples: 19 Date Sampled or Date Received: 5-28-04
Have Chain-of-Custody records been received? Yes No  Have traffic reports or packing lists been received? Yes No  If no, are traffic report or packing list numbers written on the Chain-of-Custody Record? Yes No  If no, which traffic report or packing list numbers are missing?
Are basic data forms in? Yes No No. of samples received: 19
Received by: Eun H. Dixon ESAT Date: 5-28-04
Received by LSSS: Eun H. Dixon ESNI Date: 5-26-04
Review started: 6/9/04 Reviewer Signature: Mulac
Total time spent on review: 34 Date review completed: 6/17/04
Copied by: Erin M. Dixon ESMI Date: 6-21-04
Mailed to user by: Cra M. Dixon ESAT Date: 6-21-04
DATA USER: Please fill in the blanks below and return this form to: Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C
Data received by: Date:
Data review received by: Date:
Inorganic Data Complete       [] Suitable for Intended Purpose [] ✓ if OK         Organic Data Complete       [] Suitable for Intended Purpose [] ✓ if OK         Dioxin data Complete       [] Suitable for Intended Purpose [] ✓ if OK         .SAS Data Complete       [] Suitable for Intended Purpose [] ✓ if OK
PROBLEMS: Please indicate reasons why data are not suitable for your uses.
Received by Data Mgmt. Coordinator for Files. Date: